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SESSION RESUMED IN FILE 'CAPLUS' AT 05:37:57 ON 02 OCT 2007
FILE 'CAPLUS' ENTERED AT 05:37:57 ON 02 OCT 2007
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.82	175.13

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.76	176.07

FILE 'REGISTRY' ENTERED AT 05:39:06 ON 02 OCT 2007
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STRUCTURE FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7
DICTIONARY FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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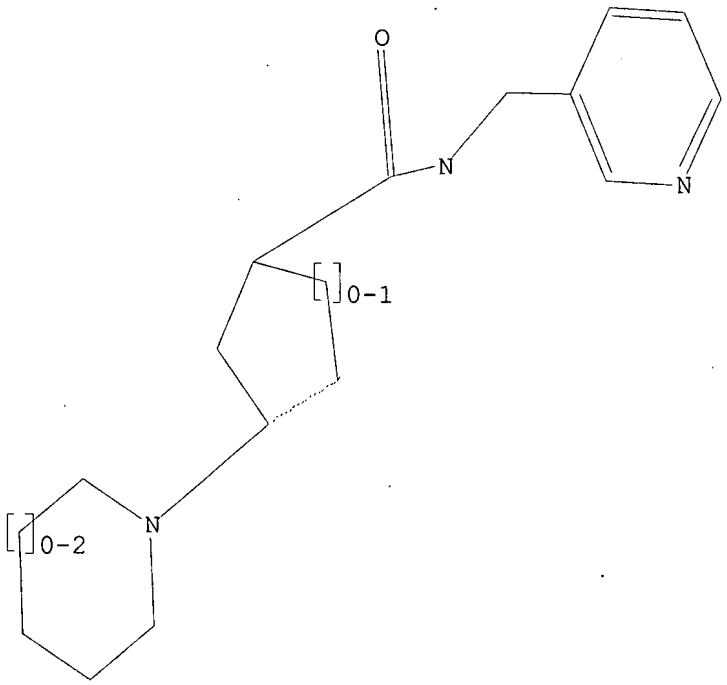
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10586765.str

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



G1 C,H,O,Cl,Br,F,OH,Cy,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l5 full
FULL SEARCH INITIATED 05:39:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 99448 TO ITERATE

100.0% PROCESSED 99448 ITERATIONS 104 ANSWERS
SEARCH TIME: 00.00.01

L6 104 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	348.17

FILE 'CAPLUS' ENTERED AT 05:39:47 ON 02 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 2 Oct 2007 VOL 147 ISS 15
FILE LAST UPDATED: 1 Oct 2007 (20071001/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l6 full
L7 7 L6

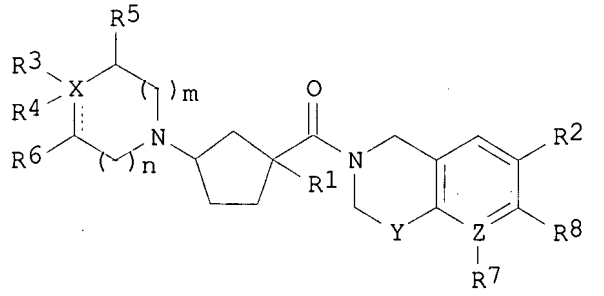
=> d ibib abs hitstr tot

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:301787 CAPLUS
DOCUMENT NUMBER: 144:350698
TITLE: Preparation of benzoxazine derivatives as modulators of chemokine receptors for treatment of inflammation and immunoregulatory diseases
INVENTOR(S): Goble, Stephen D.; Mills, Sander G.; Yang, Lihu; Pasternak, Alexander; Bonnefous, Celine; Kamenecka, Theodore M.; Vernier, Jean-Michel; Hutchinson, John H.; Hu, Essa; Govek, Steven
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 94 pp., Cont.-in-part of Appl. No. PCT/US04/011281.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006069088	A1	20060330	US 2005-129512	20050513
WO 2004092124	A2	20041028	WO 2004-US11281	20040408
WO 2004092124	A3	20050414		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-463111P P 20030415
WO 2004-US11281 A2 20040408
OTHER SOURCE(S): MARPAT 144:350698
GI



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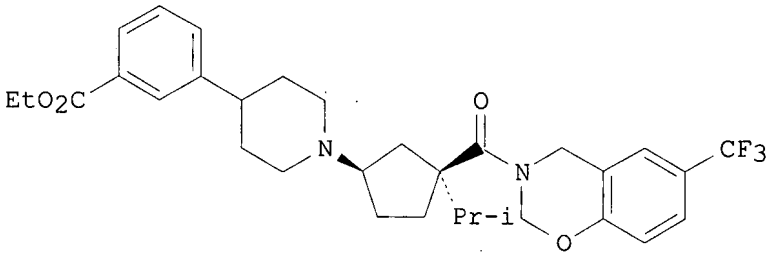


II

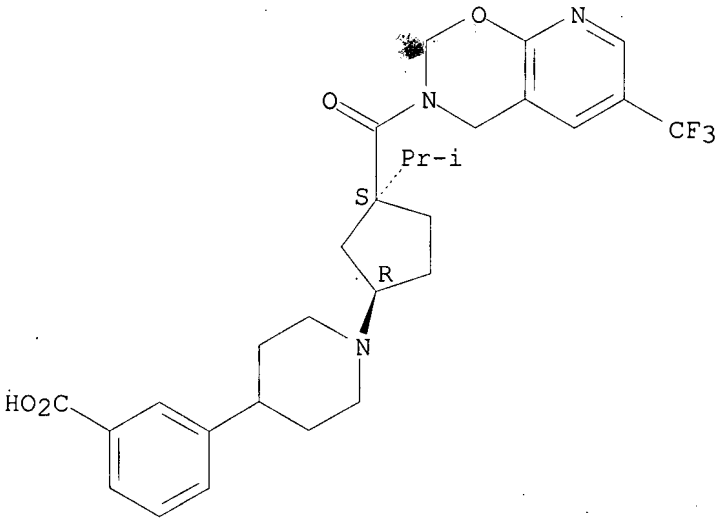
AB Title benzoxazine derivs. I [wherein X = C, N, O, or S; Y = O, S, SO, SO2, or (un)substituted NH; Z = C or N; R1 = H, (un)substituted alkoxy(alkyl), alkylthio(alkyl), heterocyclyloxy(alkyl), etc.; R2 = halo, (un)substituted alkyl, alkoxy(alkyl), alkylthio(alkyl), etc.; R3 = H, (un)substituted phenyl(alkyl), cycloalkyl(alkyl), heterocyclyl(alkyl), etc.; R4 = OH, CN, alkoxyl, etc.; R5 and R6 = independently H, OH, halo, alkyl, alkoxyl, etc.; when Z = C, R7 = H, OH, halo, (un)substituted alkyl, alkoxy, etc.; when Z = N, R7 is nothing or oxide; R8 = H, alkyl, CF3, OCF3, halo, etc.; m and n = independently 0-2 wherein m + n = 0-3], or pharmaceutically acceptable salts or diastereomers thereof were prepared as modulators of CCR2 chemokine receptors. For example, II was prepared in a multi-step synthesis. The title compds. are useful as modulators of CCR-2 chemokine receptors for the prevention or treatment of inflammatory and immunoregulatory disorders and diseases, allergic diseases, atopic conditions including allergic rhinitis, dermatitis, conjunctivitis, and asthma, as well as autoimmune pathologies such as rheumatoid arthritis and atherosclerosis (no data).

IT 881493-17-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of benzoxazine derivs. as modulators of chemokine receptors for treatment of inflammatory and immunoregulatory diseases)

RN 881493-17-0 CAPLUS

CN Benzoic acid, 3-[1-[(1R,3S)-3-(1-methylethyl)-3-[[6-(trifluoromethyl)-2H-pyrido[3,2-e]-1,3-oxazin-3(4H)-yl]carbonyl]cyclopentyl]-4-piperidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:696675 CAPLUS
DOCUMENT NUMBER: 143:193909
TITLE: Preparation of 2,6-disubstituted piperidines as modulators of chemokine receptors
INVENTOR(S): Yang, Lihu; Mills, Sander G.; Zhou, Changyou; Goble, Stephen D.; Pasternak, Alexander
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005070133	A2	20050804	WO 2005-US770	20050114
WO 2005070133	A3	20050901		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005206791	A1	20050804	AU 2005-206791	20050114
CA 2553242	A1	20050804	CA 2005-2553242	20050114
EP 1732552	A2	20061220	EP 2005-711338	20050114
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, LV				
CN 1909906	A	20070207	CN 2005-80002715	20050114
JP 2007518799	T	20070712	JP 2006-551125	20050114
IN 2006DN03835	A	20070427	IN 2006-DN3835	20060704
US 2007179158	A1	20070802	US 2006-586765	20060720
PRIORITY APPLN. INFO.:			US 2004-537732P P	20040120
			WO 2005-US770 W	20050114

OTHER SOURCE(S): CASREACT 143:193909; MARPAT 143:193909

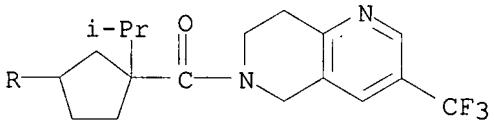
GI

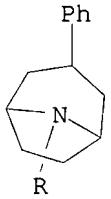
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 = H, OH, CN, etc.; R2 = H, (un)substituted alkyl or alkoxy; R3 = H, halo, OH, etc. when Y is C or R3 is oxygen or absent when Y is N; R4 = H, trifluoromethyl, trifluoromethoxy, etc.; R5 = (un)substituted alkyl, alkoxy, thioalkyl, etc.; R6 = H, alkyl, chloro, etc.; R7 = nothing when X is O, S, or SO2 or R7 = H, alkylphenyl, alkylheterocycle, etc. when X is C or N; R8 = H, OH, alkyl, etc. when X is C or R8 = nothing when X is O, S, SO2, etc. or R7 and R8 together form a ring selected from (un)substituted 1H-indene, 2,3-dihydro-1H-indene, 2,3-dihydro-benzofuran, etc.; R9 and R10 independently = H, OH, alkyl, etc. or R7 and R9, or R8 and R10 together form (un)substituted Ph or heterocycle; R11, R13, R14 and R15 independently = H, OH, alkyl, etc.; R12 and R16 independently = OH, (un)substituted alkoxy, alkylhydroxy, etc. or R12 and R16 together form a bridge consisting of (un)substituted alkyl or alkyl-O-alkyl; R17 = H, (un)substituted Ph or alkyl or R2 and R17 together form a heterocycle; Q = (CH2)n; X = C, N, O, etc.; Y = N or C; Z = (CH2)0-1; n = 0-2] and their pharmaceutically acceptable salts, are prepared and disclosed as modulators of chemokine receptors. Thus, e.g., II was prepared by Grignard reaction of N-carbethoxy-4-tropinone with Ph magnesium bromide followed by dehydration/hydrogenation/decarboxylation sequence and subsequent coupling with III (preparation given). The binding activity of I towards the CCR-2 receptor was evaluated and it was revealed that compds. of the invention are useful modulators of chemokine receptor activity (data given). I as modulator of chemokine receptors should prove useful in the treatment of rheumatoid arthritis. Pharmaceutical compns. comprising I are disclosed.

IT 861853-56-7P 861855-43-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2,6-disubstituted piperidines as modulators of chemokine receptors)

RN 861853-56-7 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-(3-phenyl-8-azabicyclo[3.2.1]oct-8-yl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

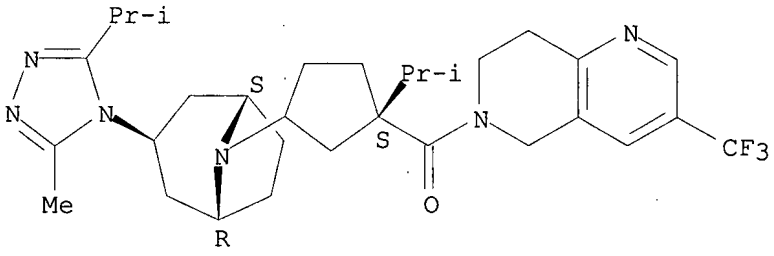




RN 861855-43-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[(3-exo)-3-[3-methyl-5-(1-methylethyl)-4H-1,2,4-triazol-4-yl]-8-azabicyclo[3.2.1]oct-8-yl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI)

(CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:141023 CAPLUS
DOCUMENT NUMBER: 142:240424
TITLE: Preparation of (thiazolyl)cyclopentane amide modulators of chemokine receptor activity
INVENTOR(S): Butora, Gabor; Yang, Lihu; Goble, Stephen D.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014537	A2	20050217	WO 2004-US25467	20040806
WO 2005014537	A3	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004263509	A1	20050217	AU 2004-263509	20040806
CA 2534294	A1	20050217	CA 2004-2534294	20040806
EP 1654256	A2	20060510	EP 2004-780322	20040806
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1832943	A	20060913	CN 2004-80022756	20040806
JP 2007501795	T	20070201	JP 2006-522756	20040806
IN 2006DN00519	A	20070810	IN 2006-DN519	20060131
US 2006205783	A1	20060914	US 2006-567516	20060207

PRIORITY APPLN. INFO.: US 2003-493902P P 20030808
WO 2004-US25467 W 20040806

OTHER SOURCE(S): CASREACT 142:240424; MARPAT 142:240424
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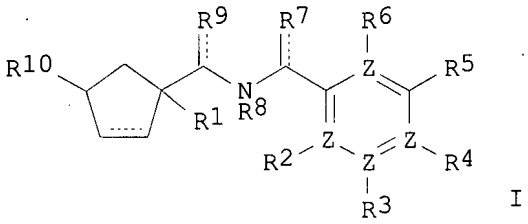

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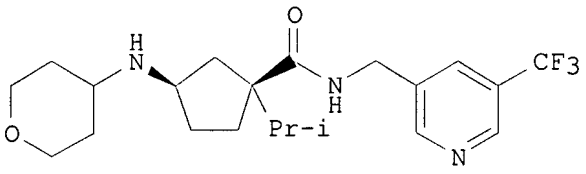


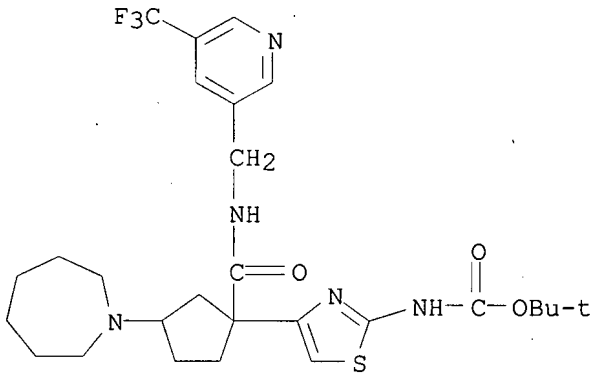
II

AB Title compds. I [wherein Z = independently C or N; R1 = (alkoxy)alkyl, alkylthioalkyl, hydroxy, etc.; R2-R4, R6 = independently H, OH, alkyl, halo, etc.; R5 = (carbonyl)alkyl, CF3, halo, etc.; R7, R9 = independently H, Ph, alkyl, etc.; R8 = H, Ph, alkyl, etc.; R10 = (un)substituted tetrahydropyranyl-4-ylamino, azacyclohept-1-yl, azacyclooct-1-yl; and pharmaceutically acceptable salts or solvates thereof and individual diastereomers thereof] are prepd as chemokine receptor modulators (no data). For example, II was given in a multi-step synthesis starting from 2,6-dichloro-4-trifluoromethylpyridine. The invention is directed to pharmaceutical compns. comprising these compds. and the use of these compds. and compns. as chemokine receptor modulators in the prevention or treatment of the diseases in which chemokine receptors are involved, such as inflammatory and immunoregulatory disorders, and rheumatoid arthritis (no data).

IT 844639-97-0P 844639-99-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-pyridinylmethyl (thiazolyl)cyclopentane amide modulators of chemokine receptor activity)

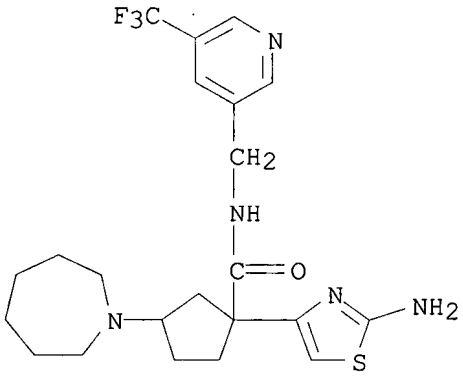
RN 844639-97-0 CAPLUS

CN Carbamic acid, [4-[3-(hexahydro-1H-azepin-1-yl)-1-[[[[5-(trifluoromethyl)-3-pyridinyl]methyl]amino]carbonyl]cyclopentyl]-2-thiazolyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 844639-99-2 CAPLUS

CN Cyclopentanecarboxamide, 1-(2-amino-4-thiazolyl)-3-(hexahydro-1H-azepin-1-yl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)



L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:1124588 CAPLUS
DOCUMENT NUMBER: 142:69197
TITLE: CCR-2 antagonists for treatment of neuropathic pain
INVENTOR(S): Abbadie, Catherine; Lindia, Jill Ann; Wang, Hao
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 304 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110376	A2	20041223	WO 2004-US17499	20040602
WO 2004110376	A3	20050224		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2006205761	A1	20060914	US 2005-559701	20051206

PRIORITY APPLN. INFO.:

US 2003-476391P	P	20030606
US 2003-531637P	P	20031222
WO 2004-US17499	W	20040602

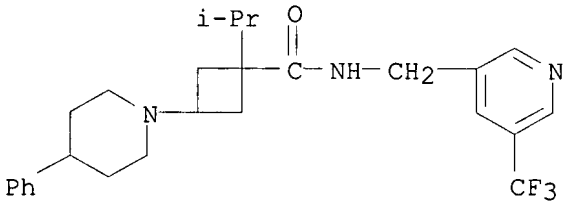
OTHER SOURCE(S): MARPAT 142:69197

AB The invention is directed to methods of treating neuropathic pain and other neuropathic diseases and conditions with CCR-2 antagonists and pharmaceutical composition containing CCR-2 antagonists.

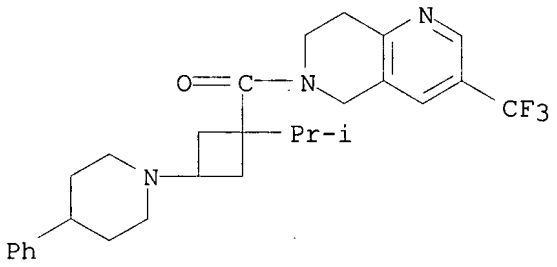
IT 766513-14-8P 766513-16-0P 766513-18-2P
766513-20-6P 766513-22-8P 766513-24-0P
767332-04-7P 767332-05-8P 767332-06-9P
767332-07-0P 767332-08-1P 767332-09-2P
787638-91-9P 787638-92-0P 787638-93-1P
787638-94-2P 787638-95-3P 787638-96-4P
787638-97-5P 787638-98-6P 787639-19-4P
787639-25-2P 787639-26-3P 787639-27-4P
787639-28-5P 787639-87-6P 787639-88-7P
787639-89-8P 787639-90-1P 787639-91-2P
787639-92-3P 787639-93-4P 787639-94-5P
787639-95-6P 787639-96-7P 787639-97-8P

787639-98-9P 791067-33-9P 791067-36-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CCR2 antagonists for treatment of neuropathic pain)

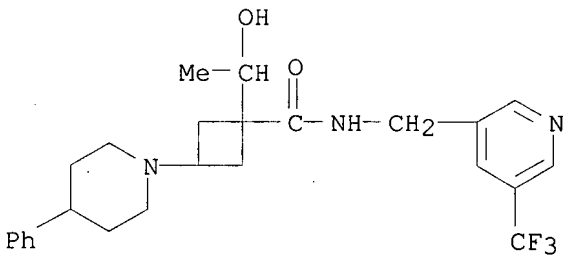
RN 766513-14-8 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-methylethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)



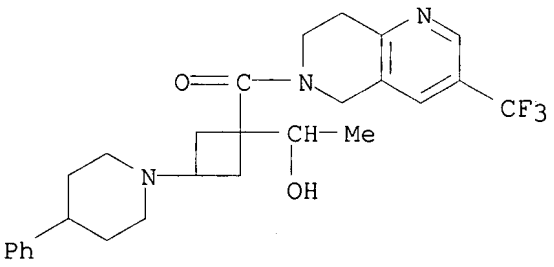
RN 766513-16-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



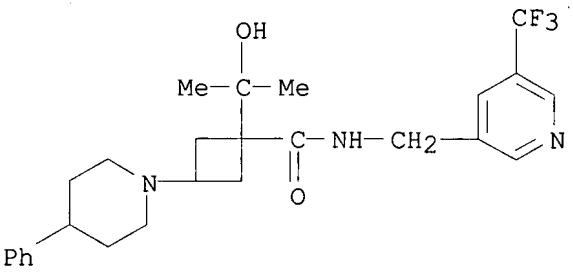
RN 766513-18-2 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)



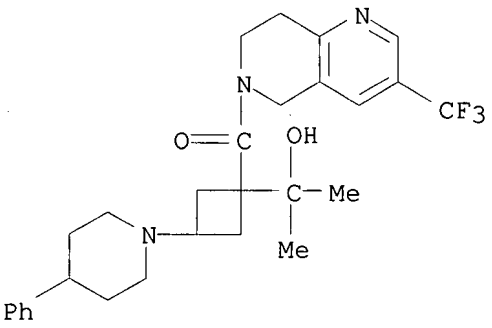
RN 766513-20-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxyethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 766513-22-8 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxy-1-methylethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)

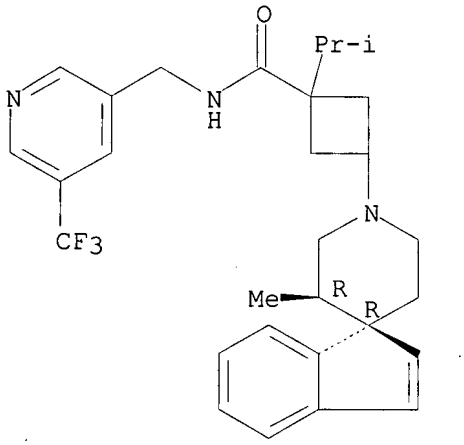


RN 766513-24-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxy-1-methylethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



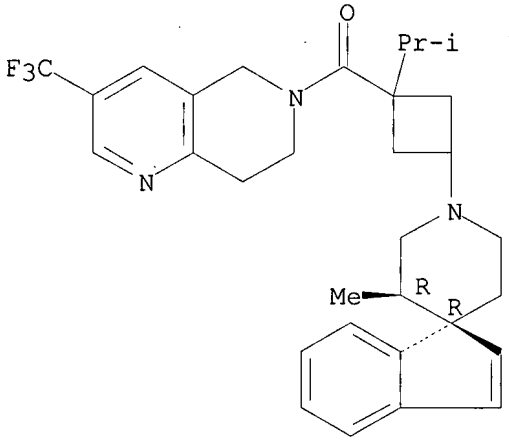
RN 767332-04-7 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



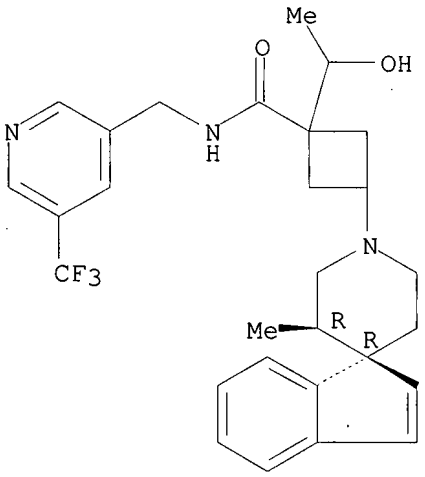
RN 767332-05-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



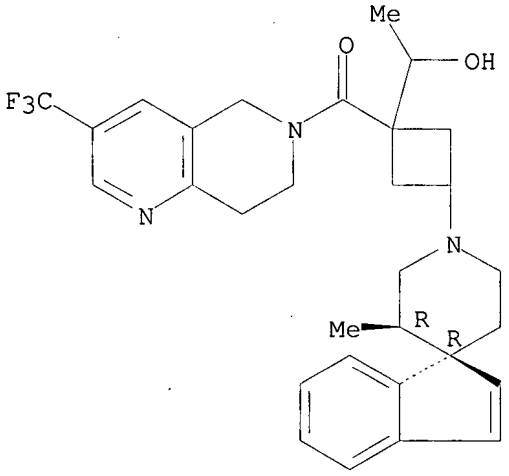
RN 767332-06-9 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



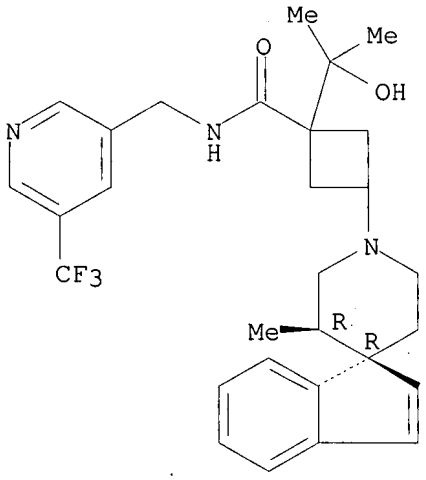
RN 767332-07-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



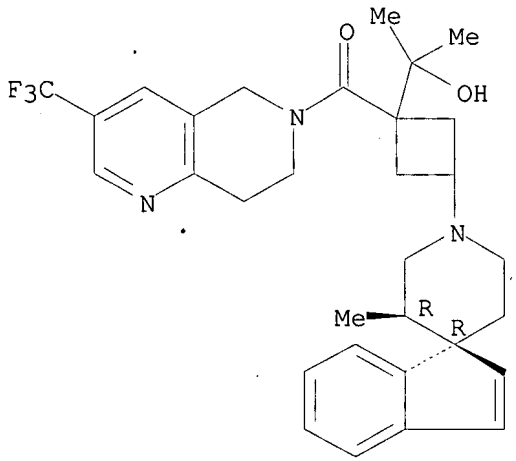
RN 767332-08-1 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxy-1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



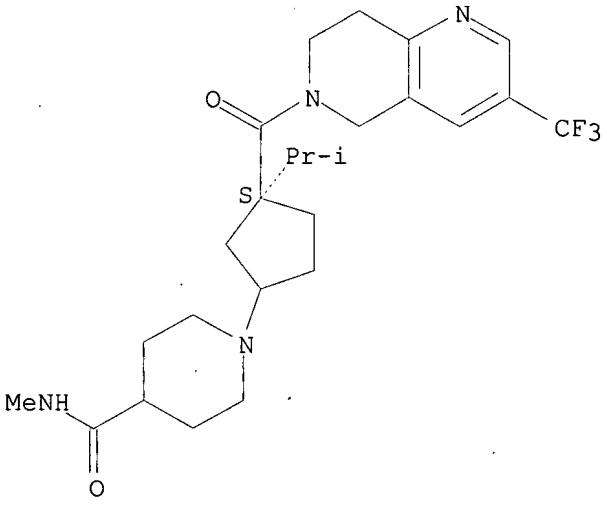
RN 767332-09-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxy-1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



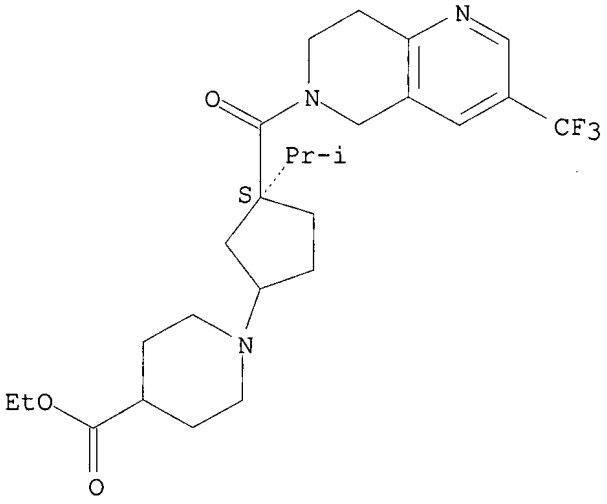
RN 787638-91-9 CAPLUS
CN 4-Piperidinecarboxamide, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-N-methyl- (CA INDEX NAME)

Absolute stereochemistry.



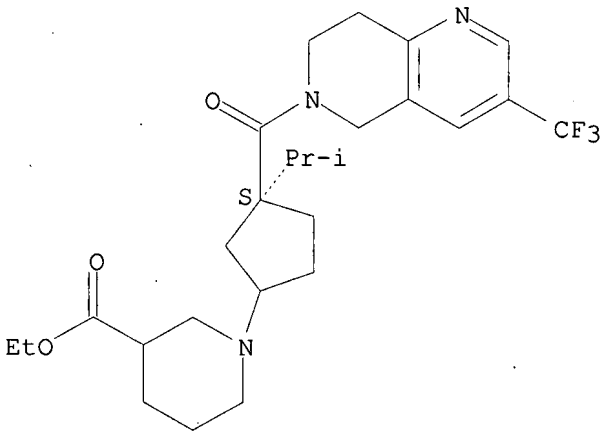
RN 787638-92-0 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



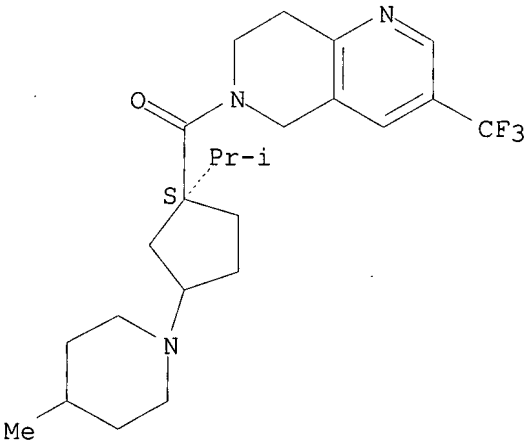
RN 787638-93-1 CAPLUS
CN 3-Piperidinecarboxylic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



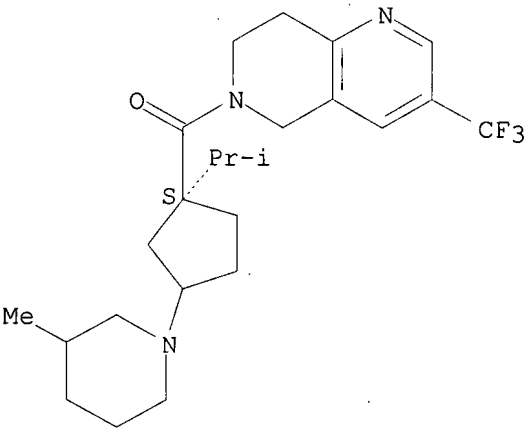
RN 787638-94-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(4-methyl-1-piperidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



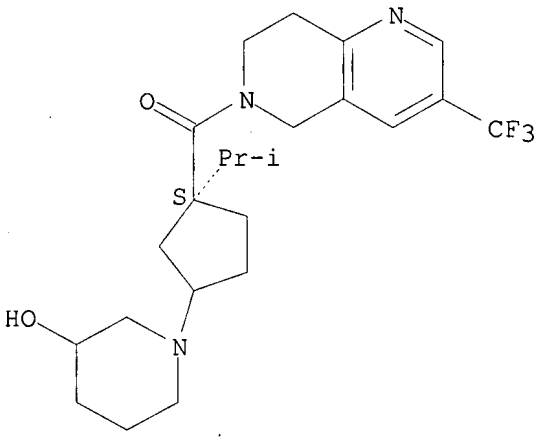
RN 787638-95-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(3-methyl-1-piperidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



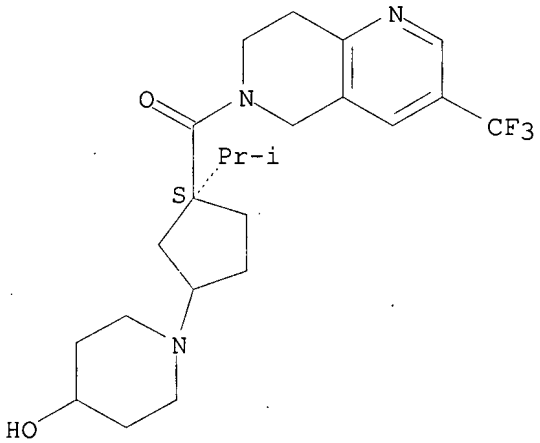
RN 787638-96-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-3-(3-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



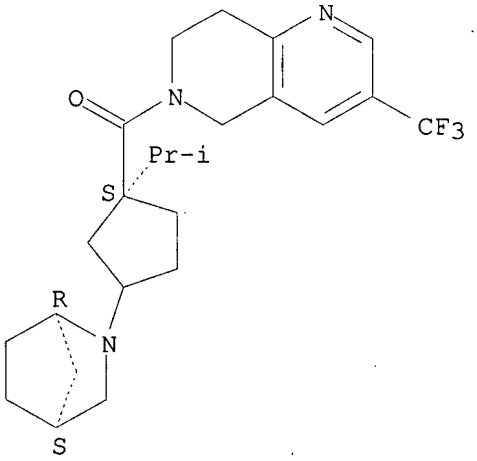
RN 787638-97-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-3-(4-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



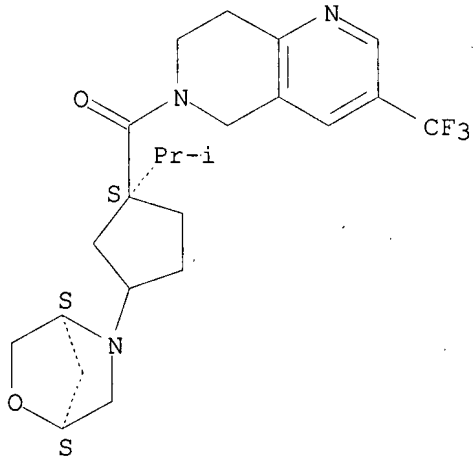
RN 787638-98-6 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-(1R,4S)-2-azabicyclo[2.2.1]hept-2-yl-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



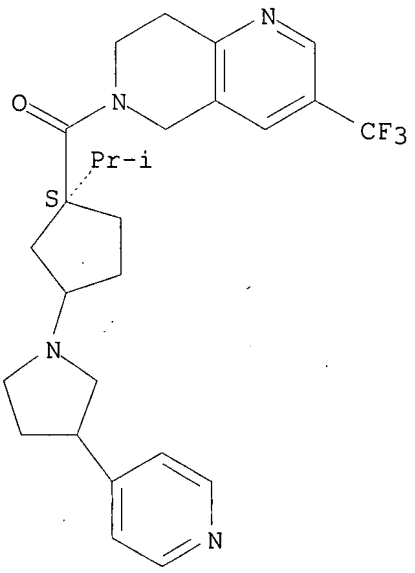
RN 787639-19-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(1S,4S)-2-oxa-5-azabicyclo[2.2.1]hept-5-ylcyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



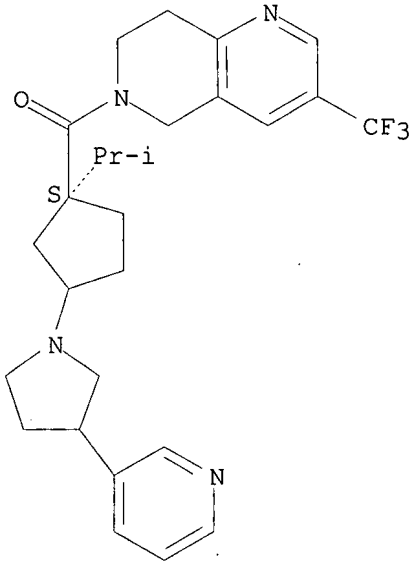
RN 787639-25-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(4-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



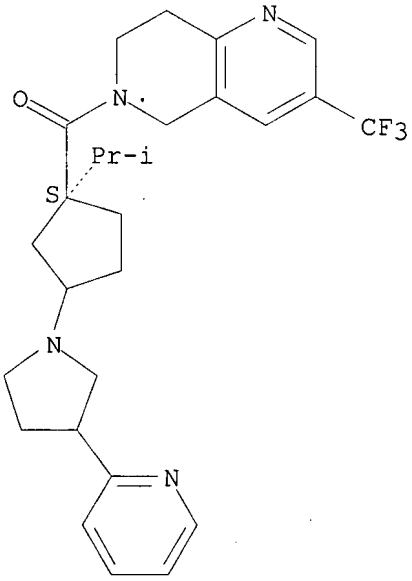
RN 787639-26-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(3-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



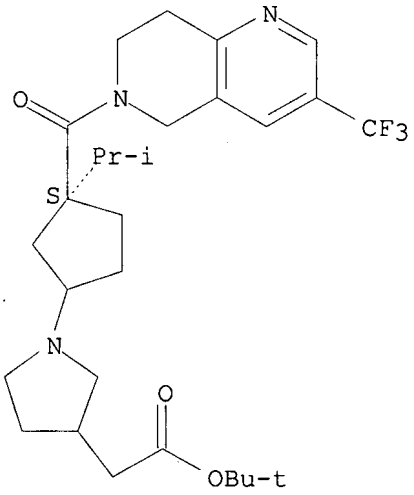
RN 787639-27-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(2-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



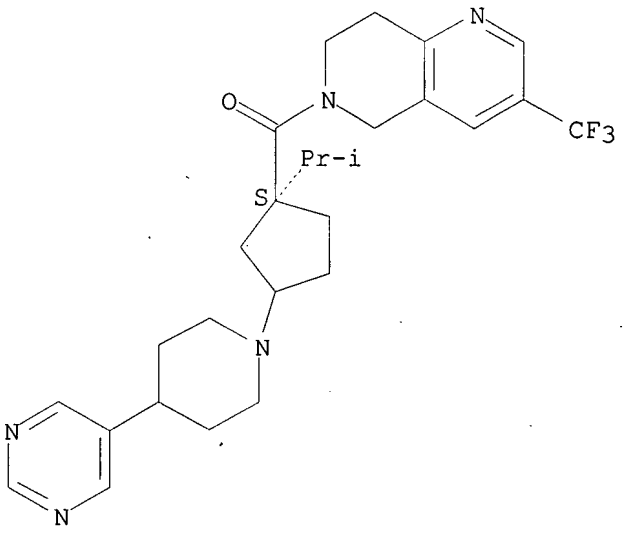
RN 787639-28-5 CAPLUS
CN 3-Pyrrolidineacetic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



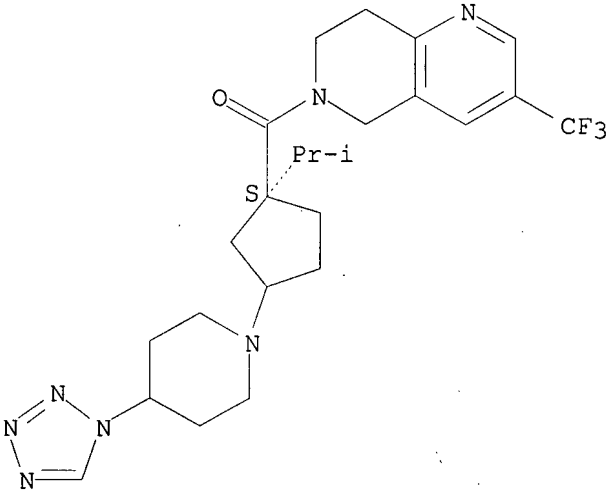
RN 787639-87-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(5-pyrimidinyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



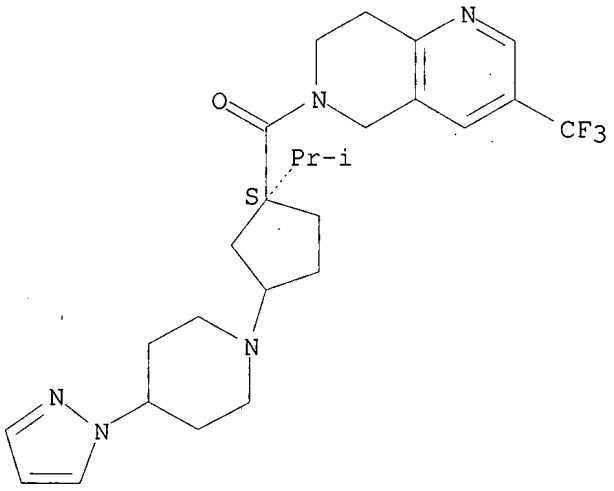
RN 787639-88-7 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-tetrazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



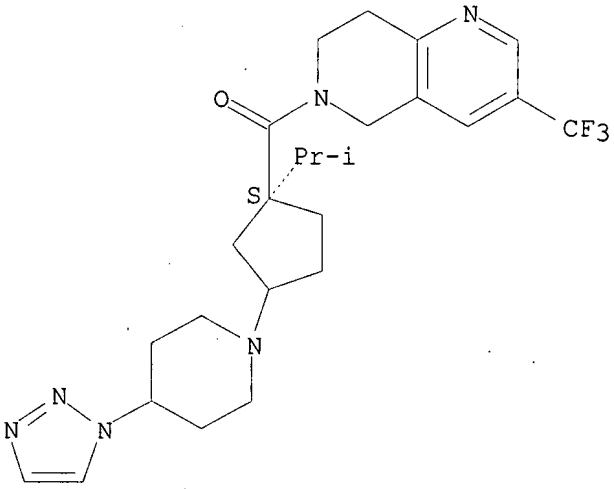
RN 787639-89-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-pyrazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



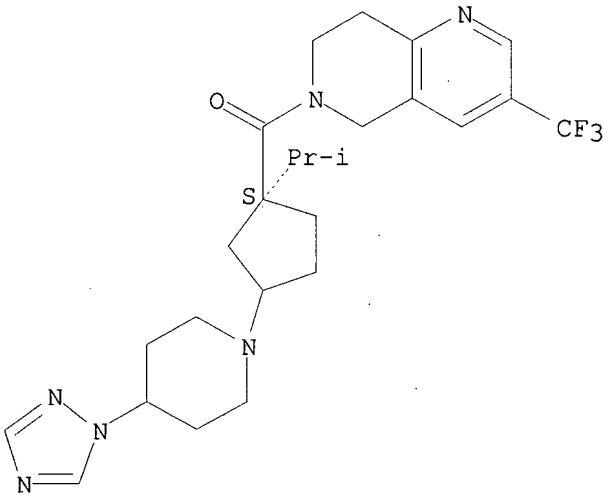
RN 787639-90-1 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-1,2,3-triazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



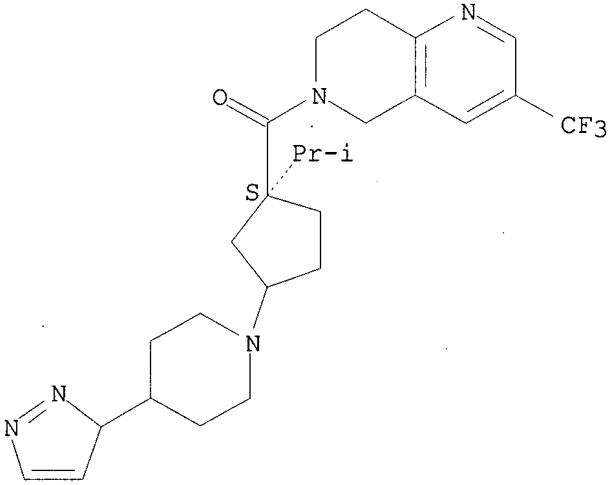
RN 787639-91-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-1,2,4-triazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



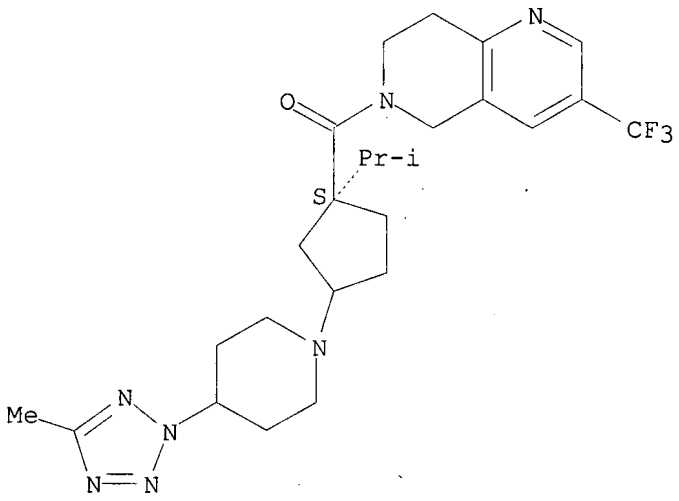
RN 787639-92-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(3H-pyrazol-3-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



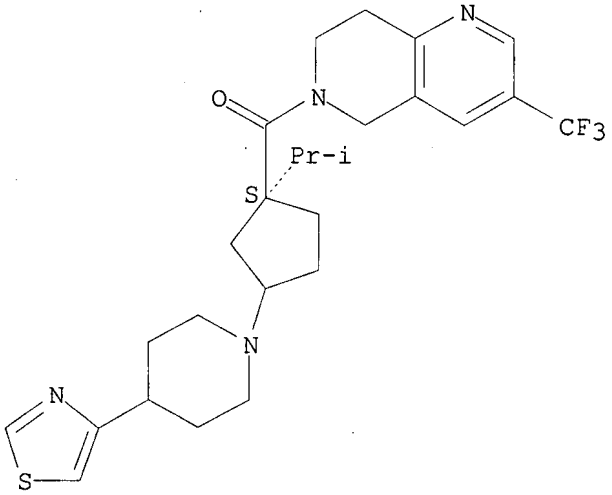
RN 787639-93-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(5-methyl-2H-tetrazol-2-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



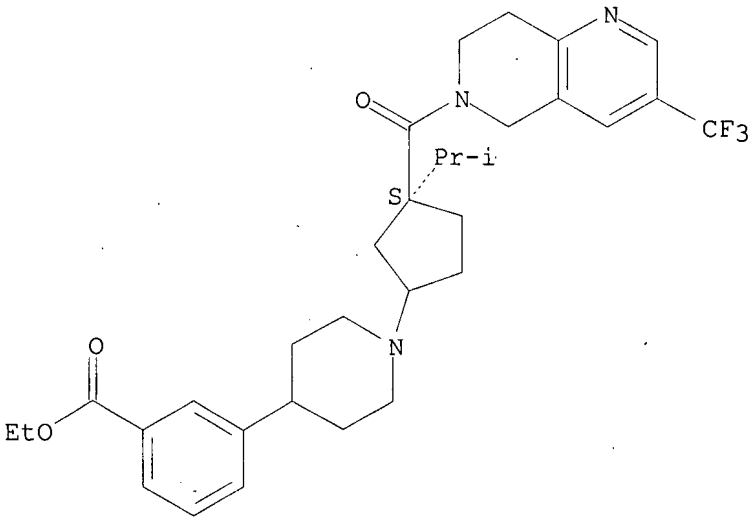
RN 787639-94-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(4-thiazolyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



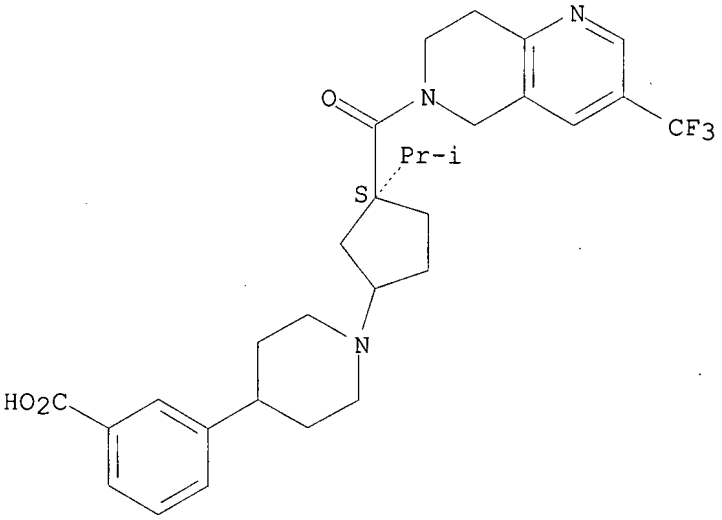
RN 787639-95-6 CAPLUS
CN Benzoic acid, 3-[1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-4-piperidinyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



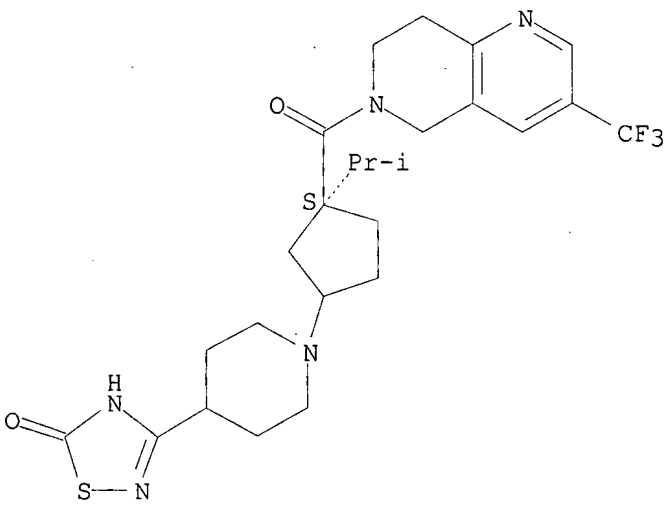
RN 787639-96-7 CAPLUS
CN Benzoic acid, 3-[1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-4-piperidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



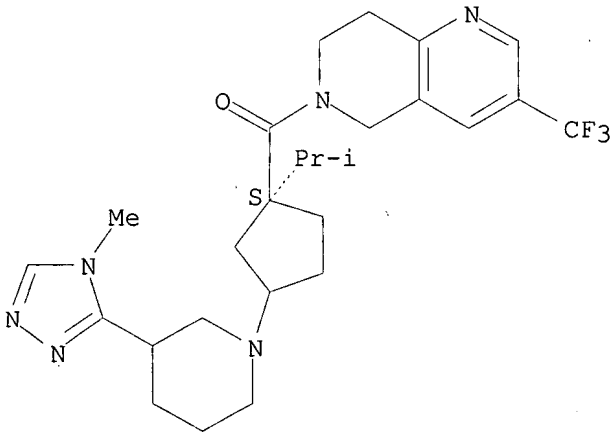
RN 787639-97-8 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-[4-(2,5-dihydro-5-oxo-1,2,4-thiadiazol-3-yl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



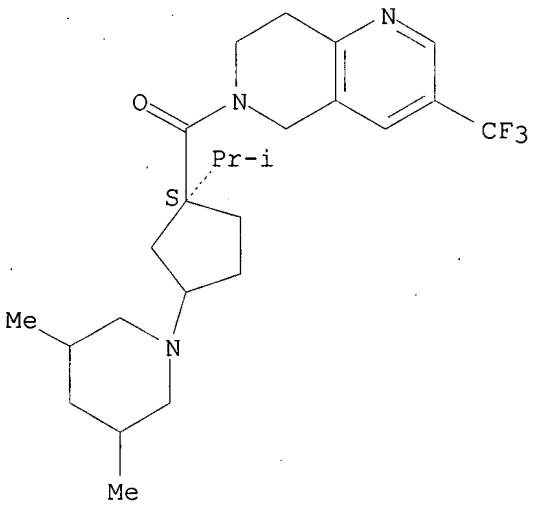
RN 787639-98-9 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(4-methyl-4H-1,2,4-triazol-3-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



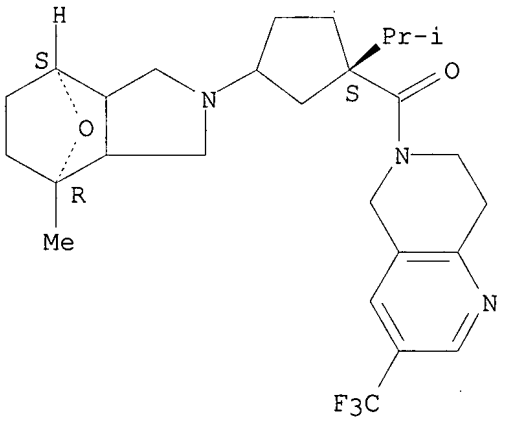
RN 791067-33-9 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-(3,5-dimethyl-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 791067-36-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[(4R,7S)-octahydro-4-methyl-4,7-epoxy-2H-isoindol-2-yl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:927165 CAPLUS
DOCUMENT NUMBER: 141:410822
TITLE: Preparation of heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity
INVENTOR(S): Butora, Gabor; Goble, Stephen D.; Pasternak, Alexander; Yang, Lihu; Zhou, Changyou; Moyes, Christopher R.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA; Merck Sharp & Dohme Limited
SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2004094371	A2	20041104	WO 2004-US11463		20040414
WO 2004094371	A3	20050324			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2004232939	A1	20041104	AU 2004-232939		20040414
CA 2521625	A1	20041104	CA 2004-2521625		20040414
EP 1622916	A2	20060208	EP 2004-750112		20040414
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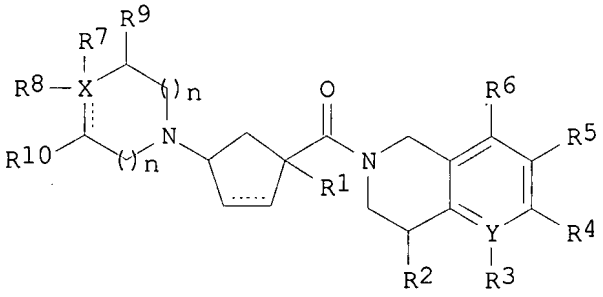
CN 1805965	A	20060719	CN 2004-80016537		20040414
JP 2006523704	T	20061019	JP 2006-510018		20040414
PRIORITY APPLN. INFO.:			US 2003-463673P	P	20030417
			WO 2004-US11463	W	20040414

OTHER SOURCE(S): MARPAT 141:410822

GI



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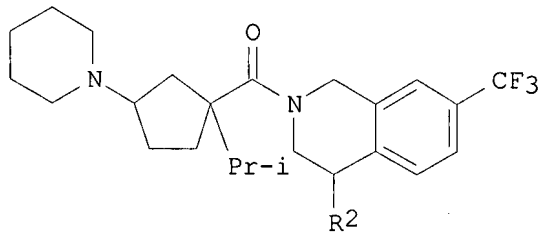


II

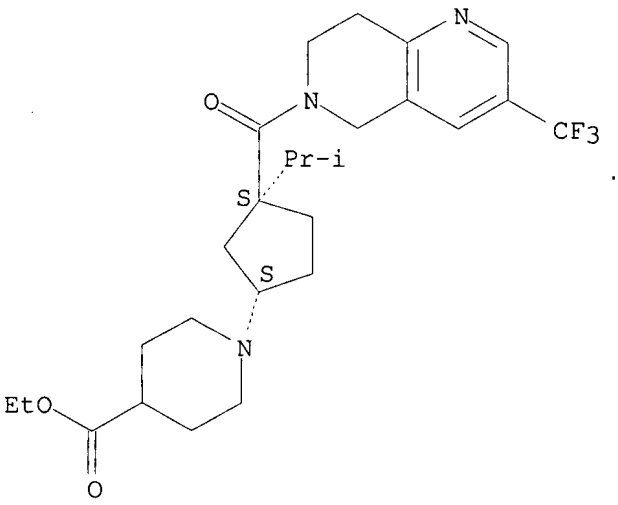
AB Title compds. I [X = C. N, O, S, SO2; Y = N, C; R1 = H, alkyl, etc.; R2 = H, OH, halo, alkyl, amino, etc.; R3 = O or absent when Y = N and when Y = C, H, OH, halo, etc.; R4 = H, alkyl, CF3, etc.; R5 = alkyl, alkoxy, etc.; R6 = H, alkyl, CF3, etc.; R7 = H, (alkyl)phenyl, (alkyl)heterocycle, etc.; R8 = H, nothing when X = O, S, SO2, etc.; R9-10 = H, OH, alkyl, etc.; n = 0-2] are prepared For instance, II is prepared in several steps from 7-trifluoromethyl-1,2,3,4-tetrahydroisoquinoline (preparation given), Me 3-oxocyclopentanecarboxylate and 4-carboethoxypiperidine. I are modulators of the chemokine receptor CCR-2.

IT 787638-99-7P 787639-00-3P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity)

RN 787638-99-7 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[(1S,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

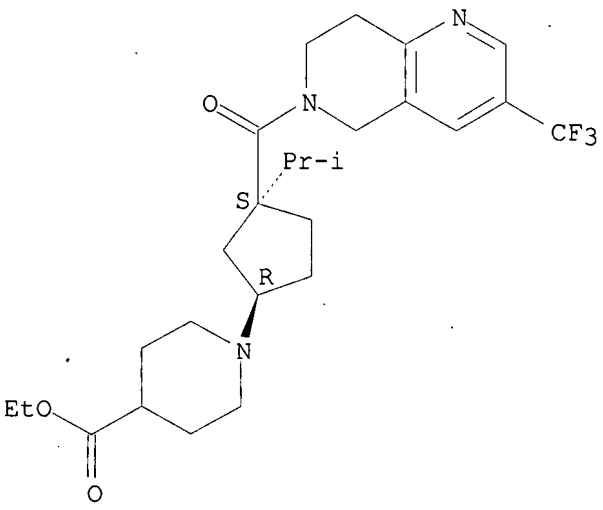


●x HCl

RN 787639-00-3 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[(1R,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



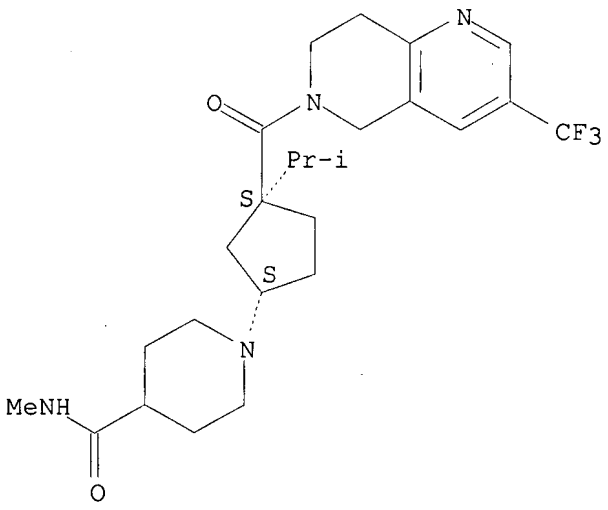
●x HCl

IT 787639-04-7P 787639-05-8P 787639-06-9P
787639-07-0P 787639-08-1P 787639-09-2P
787639-10-5P 787639-11-6P 787639-12-7P
787639-13-8P 787639-14-9P 787639-15-0P
787639-22-9P 787639-23-0P 787639-82-1P
787639-83-2P 787639-85-4P 787639-86-5P
787640-61-3P 787640-62-4P 791067-35-1P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity)

RN 787639-04-7 CAPLUS

CN 4-Piperidinecarboxamide, 1-[(1S,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-N-methyl-, hydrochloride (9CI) (CA INDEX NAME)

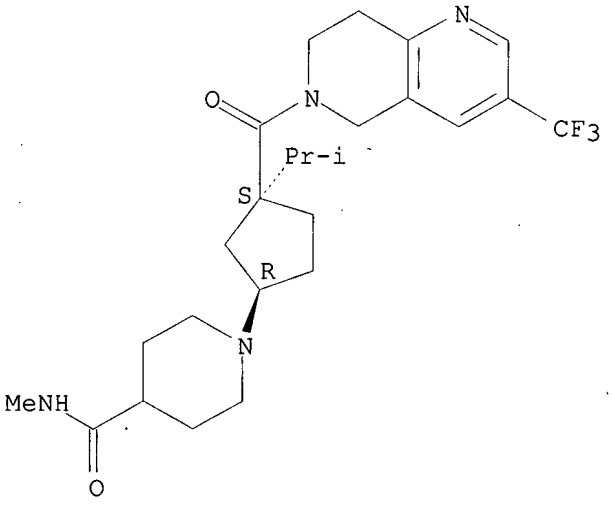
Absolute stereochemistry.



●x HCl

RN 787639-05-8 CAPLUS
CN 4-Piperidinecarboxamide, 1-[(1R,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-N-methyl-, hydrochloride (9CI) (CA INDEX NAME)

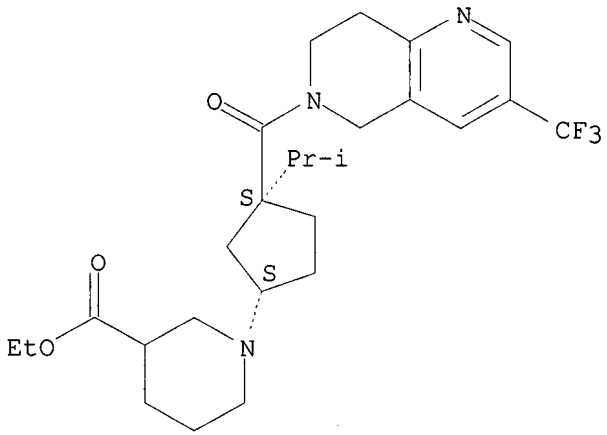
Absolute stereochemistry.



●x HCl

RN 787639-06-9 CAPLUS
CN 3-Piperidinecarboxylic acid, 1-[(1S,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester, hydrochloride (9CI) (CA INDEX NAME)

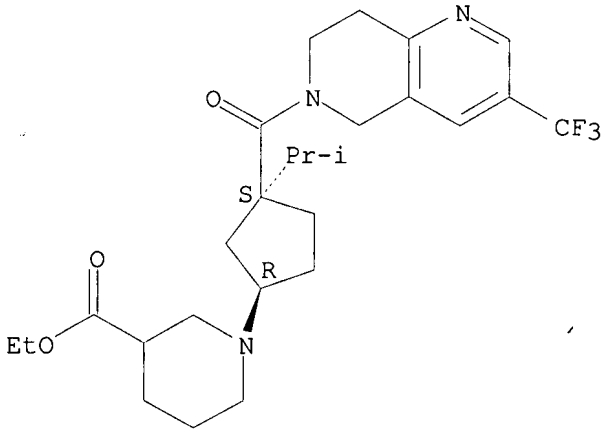
Absolute stereochemistry.



● x HCl

RN 787639-07-0 CAPLUS
CN 3-Piperidinecarboxylic acid, 1-[(1R,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester, hydrochloride (9CI) (CA INDEX NAME)

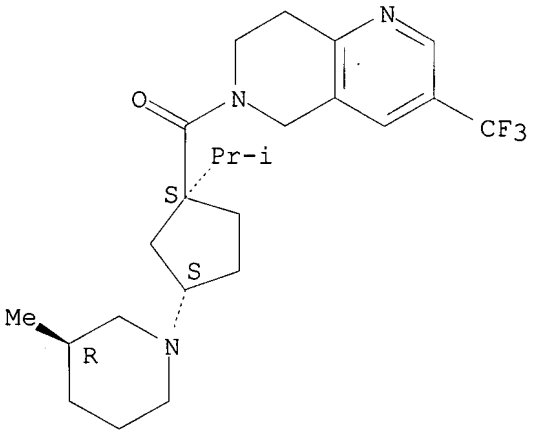
Absolute stereochemistry.



● x HCl

RN 787639-08-1 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3S)-1-(1-methylethyl)-3-[(3R)-3-methyl-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

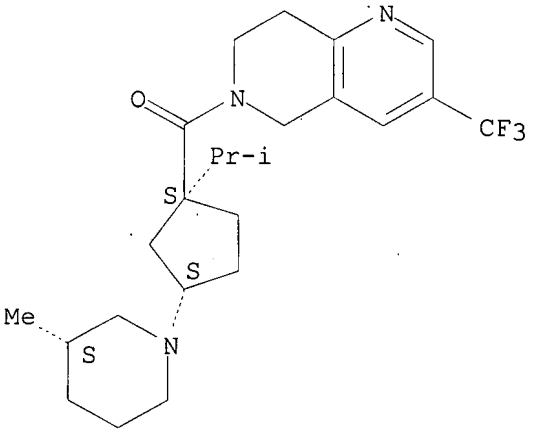
Absolute stereochemistry.



●x HCl

RN 787639-09-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3S)-1-(1-methylethyl)-3-[(3S)-3-methyl-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

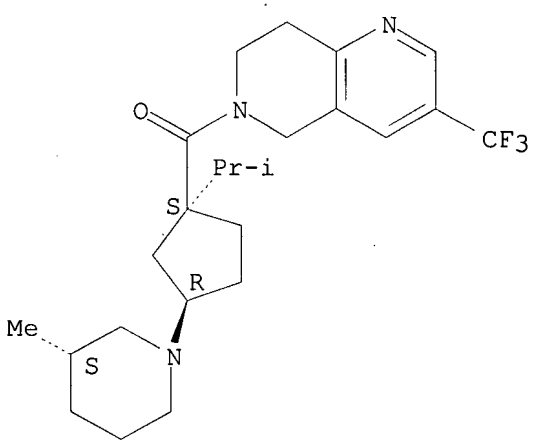
Absolute stereochemistry.



●x HCl

RN 787639-10-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-1-(1-methylethyl)-3-[(3S)-3-methyl-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

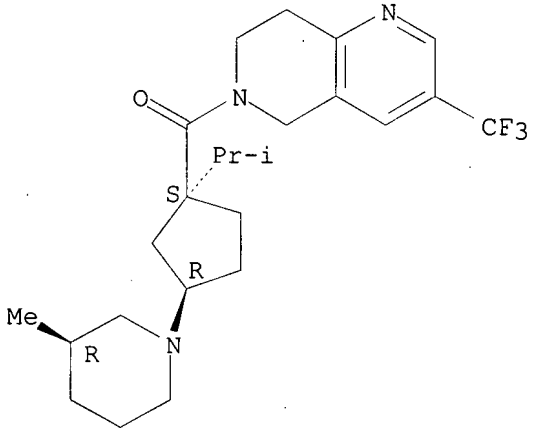
Absolute stereochemistry.



●x HCl

RN 787639-11-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-1-(1-methylethyl)-3-[(3R)-3-methyl-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

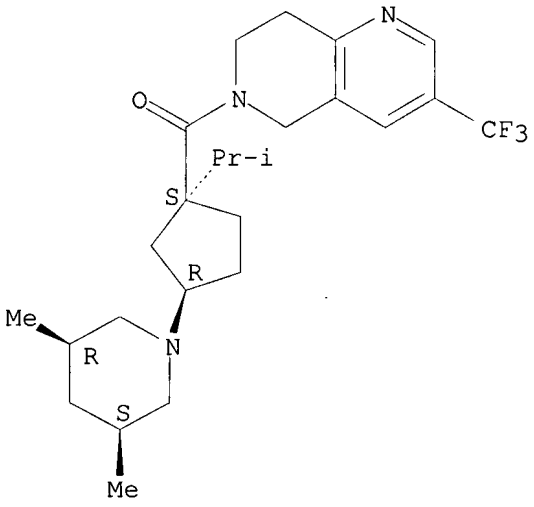
Absolute stereochemistry.



●x HCl

RN 787639-12-7 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3R)-3-[(3S,5R)-3,5-dimethyl-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

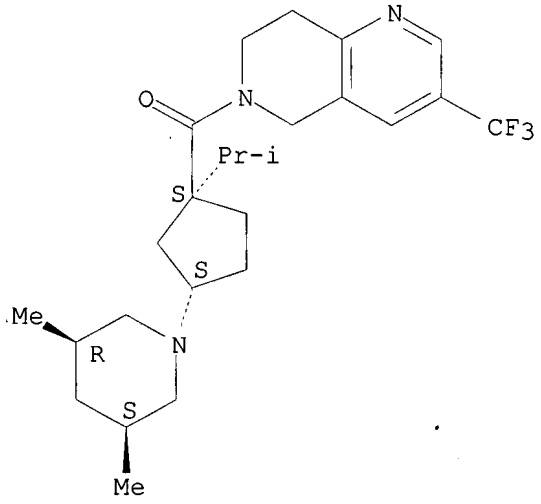
Absolute stereochemistry.



●x HCl

RN 787639-13-8 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3S)-3-[(3S,5R)-3,5-dimethyl-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

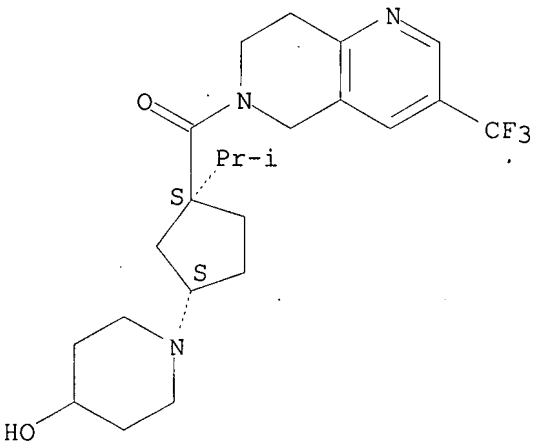
Absolute stereochemistry.



●x HCl

RN 787639-14-9 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3S)-3-(4-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

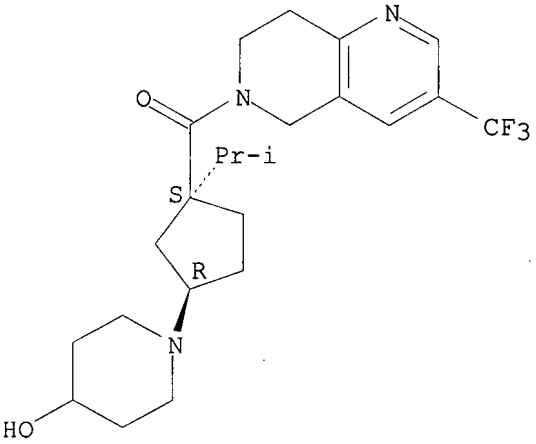
Absolute stereochemistry.



●x HCl

RN 787639-15-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-3-(4-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

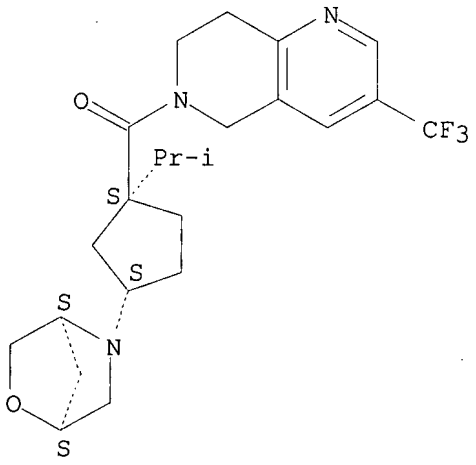
Absolute stereochemistry.



●x HCl

RN 787639-22-9 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3S)-1-(1-methylethyl)-3-(1S,4S)-2-oxa-5-azabicyclo[2.2.1]hept-5-ylcyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

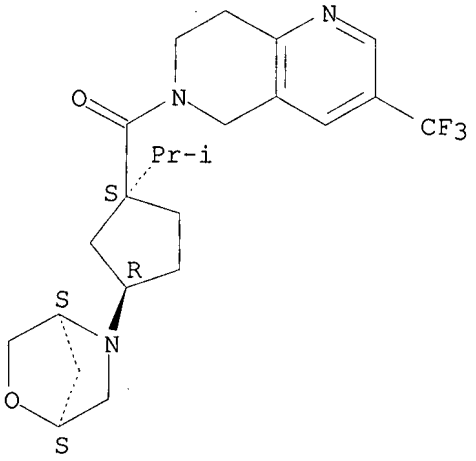
Absolute stereochemistry.



●x HCl

RN 787639-23-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-1-(1-methylethyl)-3-(1S,4S)-2-oxa-5-azabicyclo[2.2.1]hept-5-ylcyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

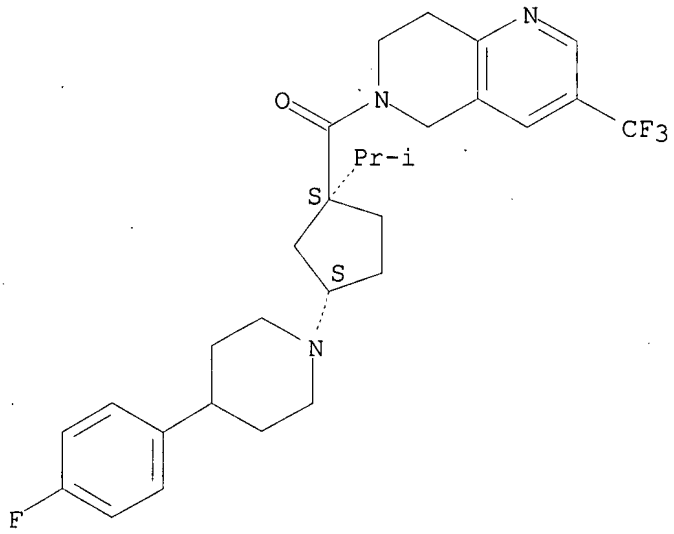
Absolute stereochemistry.



●x HCl

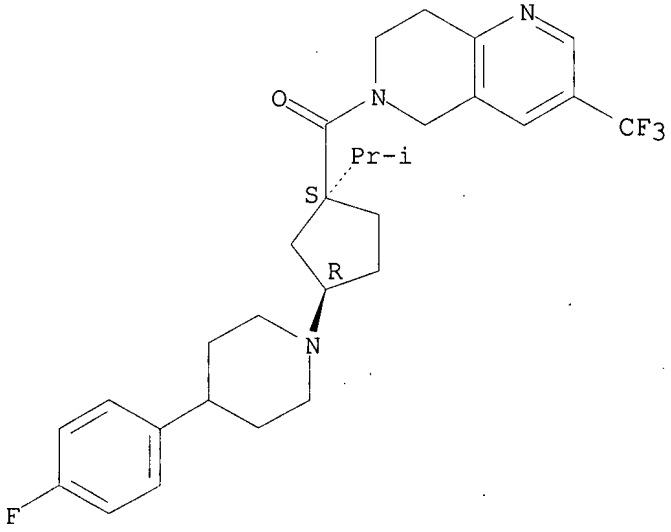
RN 787639-82-1 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3S)-3-[4-(4-fluorophenyl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



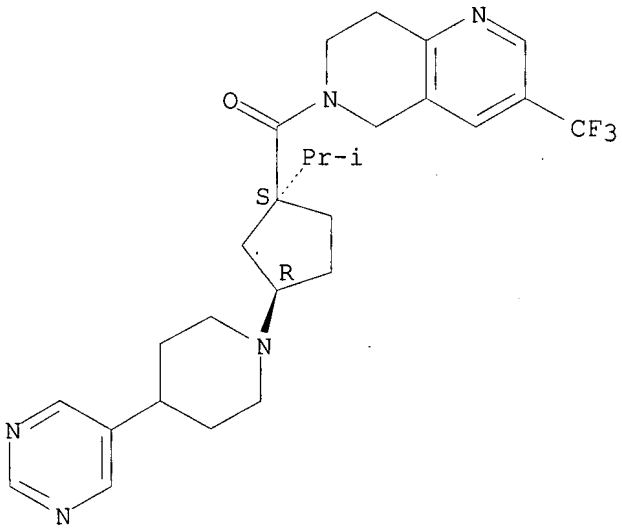
RN 787639-83-2 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3R)-3-[4-(4-fluorophenyl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



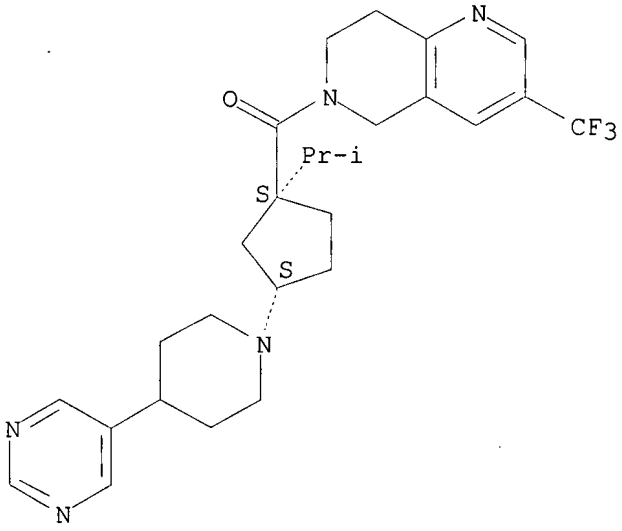
RN 787639-85-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-1-(1-methylethyl)-3-[4-(5-pyrimidinyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



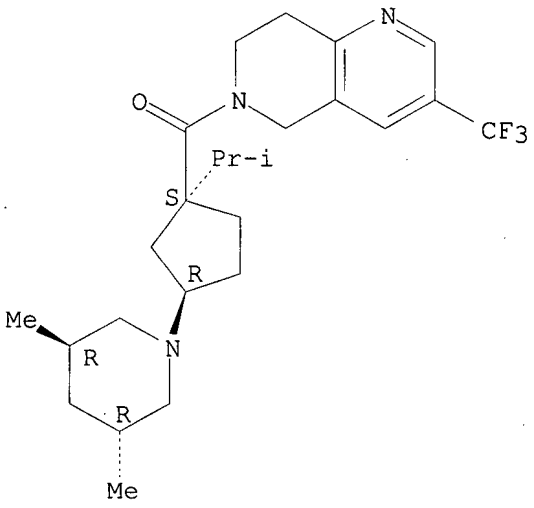
RN 787639-86-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3S)-1-(1-methylethyl)-3-[4-(5-pyrimidinyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 787640-61-3 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3R)-3-[(3R,5R)-3,5-dimethyl-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

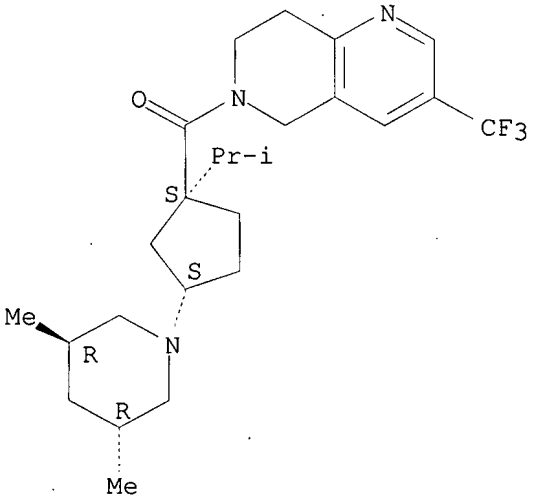
Absolute stereochemistry.



●x HCl

RN 787640-62-4 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3S)-3-[(3R,5R)-3,5-dimethyl-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

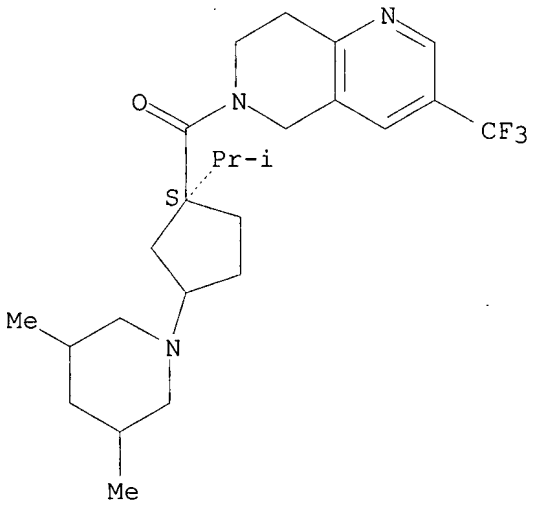
Absolute stereochemistry.



●x HCl

RN 791067-35-1 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-(3,5-dimethyl-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



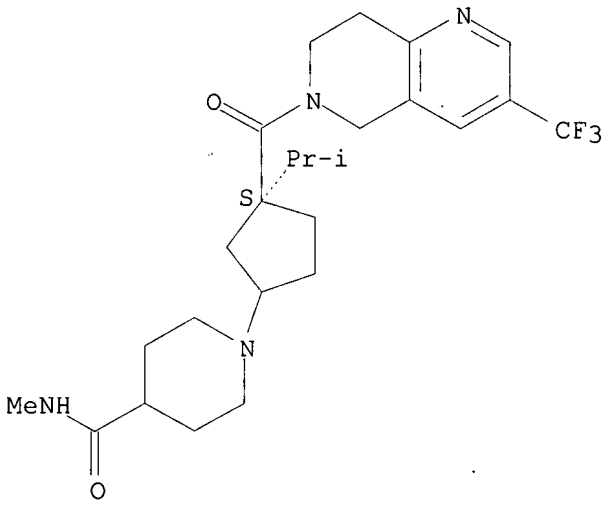
●x HCl

IT 787638-91-9P 787638-93-1P 787638-95-3P
787639-19-4P 787639-84-3P 791067-33-9P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity)

RN 787638-91-9 CAPLUS

CN 4-Piperidinecarboxamide, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-N-methyl- (CA INDEX NAME)

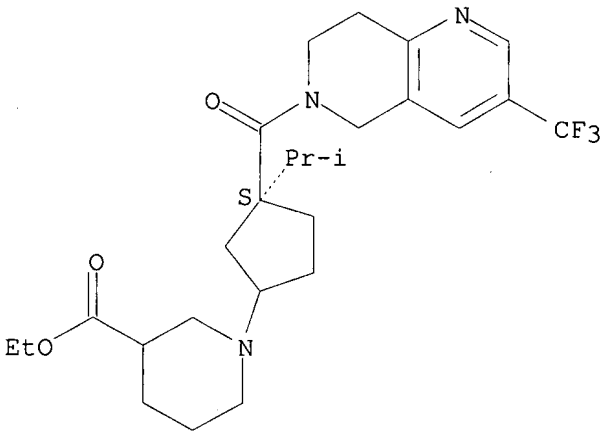
Absolute stereochemistry.



RN 787638-93-1 CAPLUS

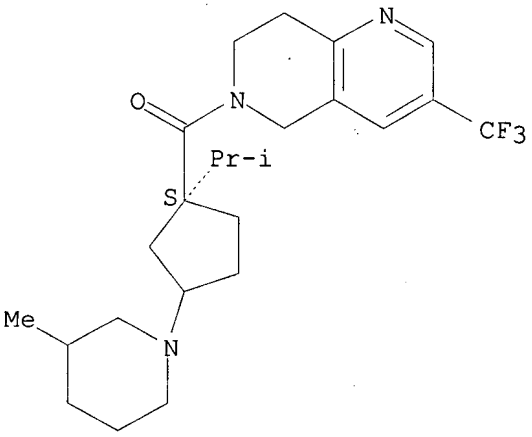
CN 3-Piperidinecarboxylic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



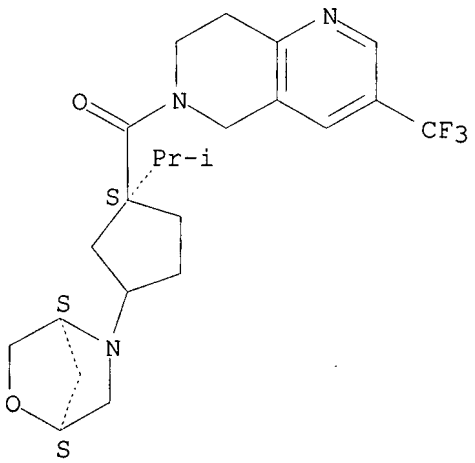
RN 787638-95-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(3-methyl-1-piperidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



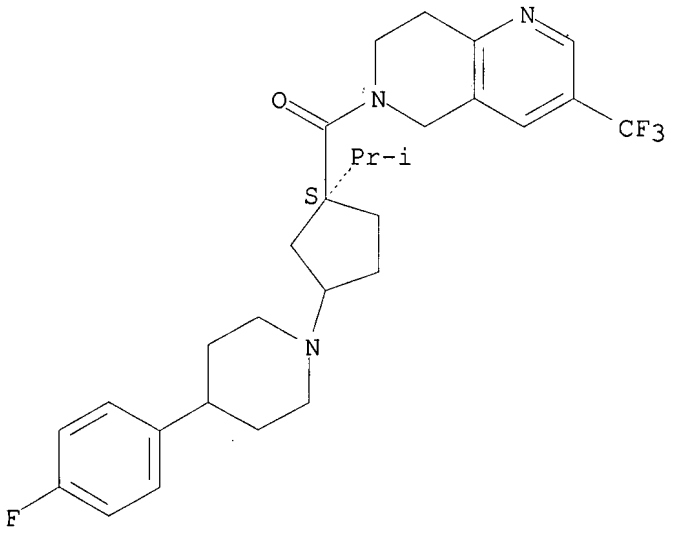
RN 787639-19-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(1S,4S)-2-oxa-5-azabicyclo[2.2.1]hept-5-ylcyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



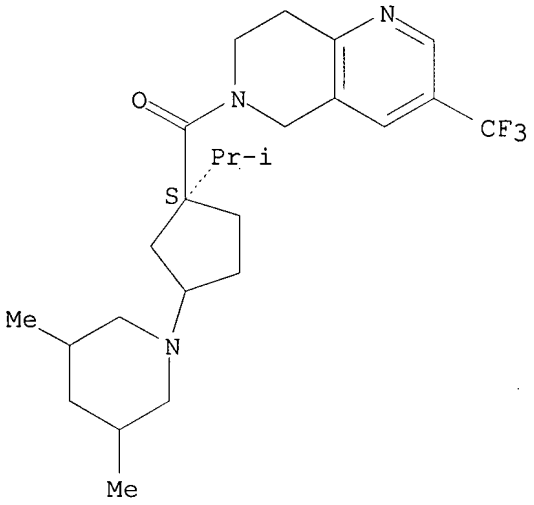
RN 787639-84-3 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-[4-(4-fluorophenyl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



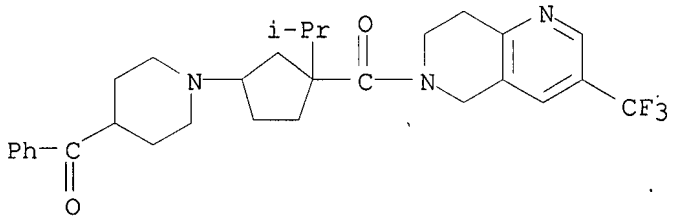
RN 791067-33-9 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-(3,5-dimethyl-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

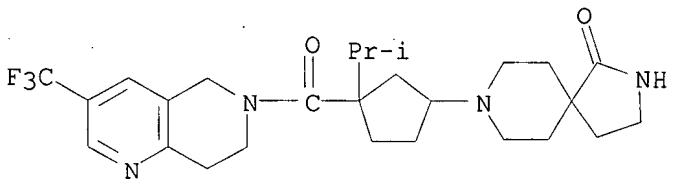


IT 787638-88-4P 787638-89-5P 787638-90-8P
787638-92-0P 787638-94-2P 787638-96-4P
787638-97-5P 787638-98-6P 787639-01-4P
787639-02-5P 787639-03-6P 787639-24-1P
787639-25-2P 787639-26-3P 787639-27-4P
787639-28-5P 787639-87-6P 787639-88-7P
787639-89-8P 787639-90-1P 787639-91-2P
787639-92-3P 787639-93-4P 787639-94-5P
787639-95-6P 787639-96-7P 787639-97-8P
787639-98-9P 787639-99-0P 787640-00-0P
787640-01-1P 787640-02-2P 787640-54-4P
791067-36-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity)

RN 787638-88-4 CAPLUS
CN 1,6-Naphthyridine, 6-[[3-(4-benzoyl-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

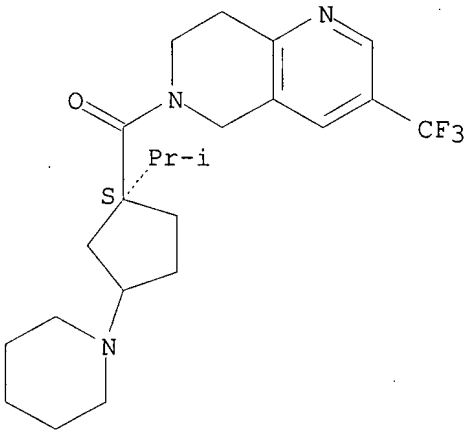


RN 787638-89-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-(1-oxo-2,8-diazaspiro[4.5]dec-8-yl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



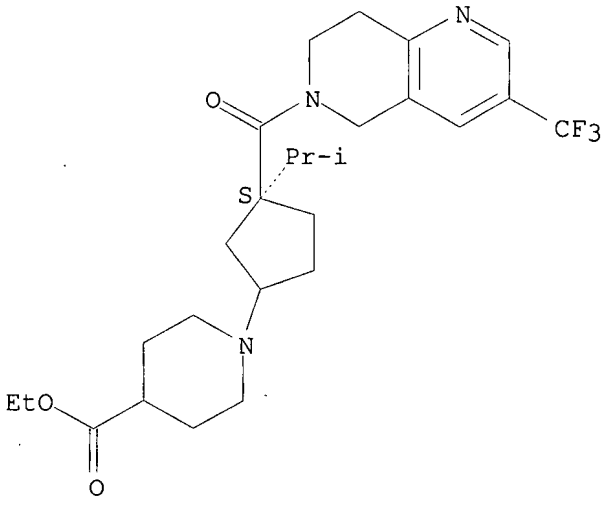
RN 787638-90-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(1-piperidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



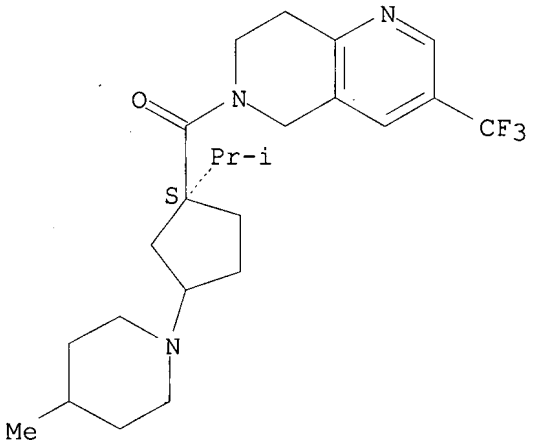
RN 787638-92-0 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



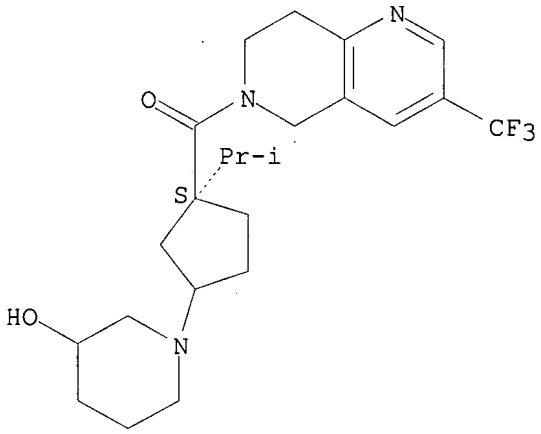
RN 787638-94-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(4-methyl-1-piperidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



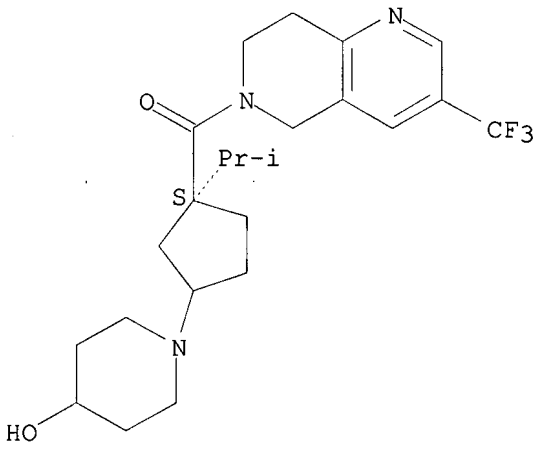
RN 787638-96-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-3-(3-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



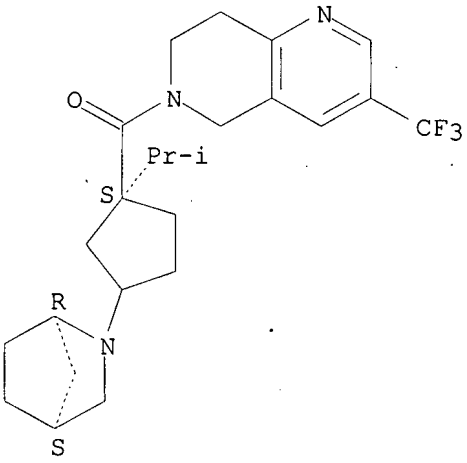
RN 787638-97-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-3-(4-hydroxy-1-piperidinyl)-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



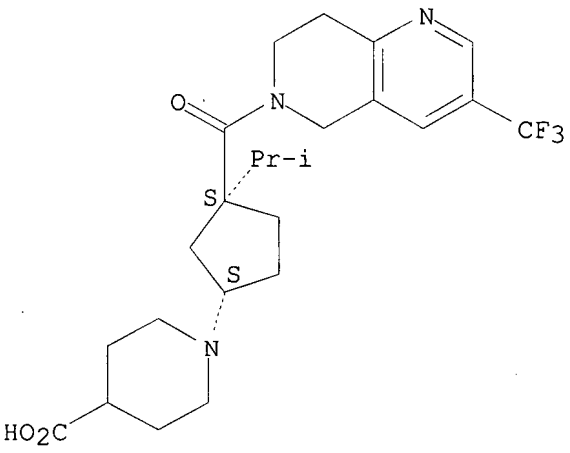
RN 787638-98-6 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-(1R,4S)-2-azabicyclo[2.2.1]hept-2-yl-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 787639-01-4 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[(1S,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, hydrochloride (9CI) (CA INDEX NAME)

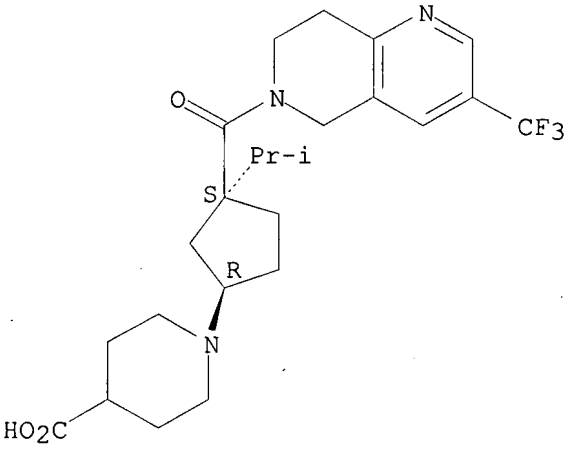
Absolute stereochemistry.



● x HCl

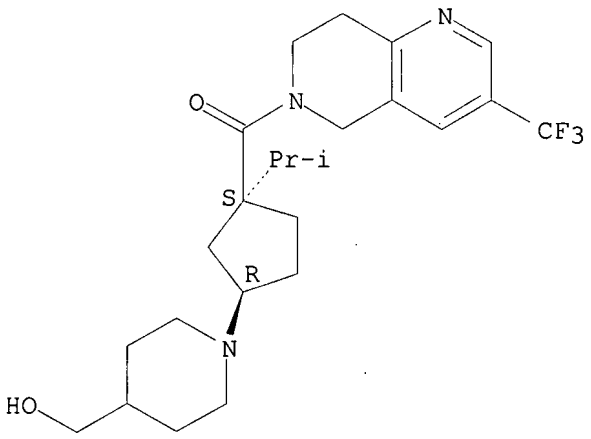
RN 787639-02-5 CAPLUS
CN 4-Piperidinecarboxylic acid, 1-[(1R,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 787639-03-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S,3R)-3-[4-(hydroxymethyl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

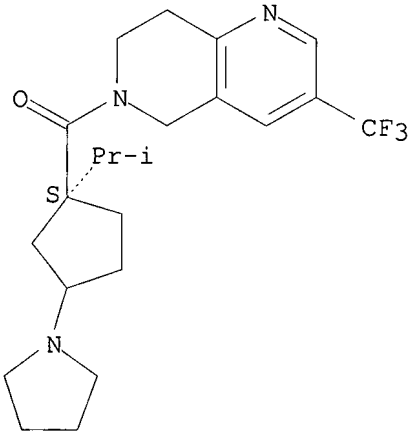
Absolute stereochemistry.



●x HCl

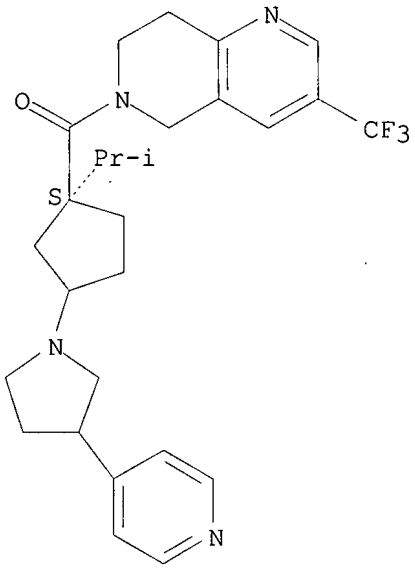
RN 787639-24-1 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(1-pyrrolidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



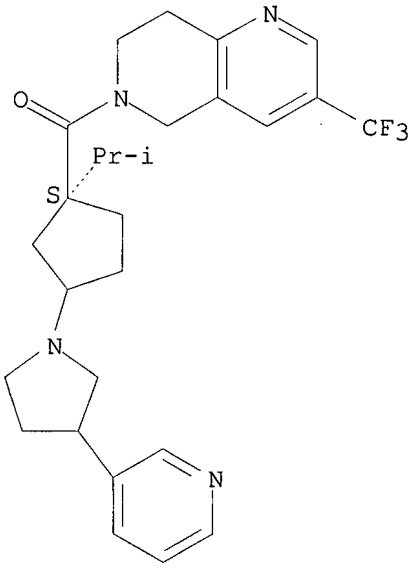
RN 787639-25-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(4-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



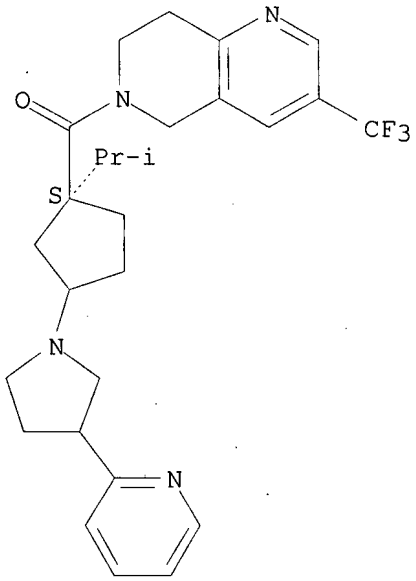
RN 787639-26-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(3-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



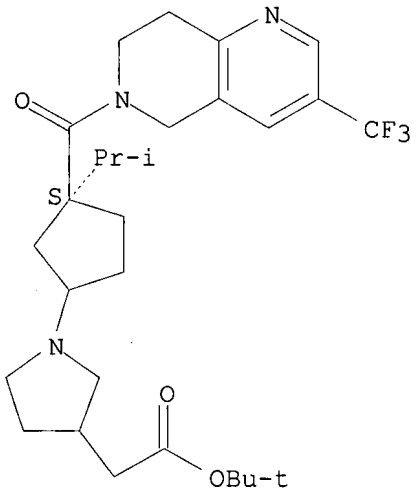
RN 787639-27-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(2-pyridinyl)-1-pyrrolidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



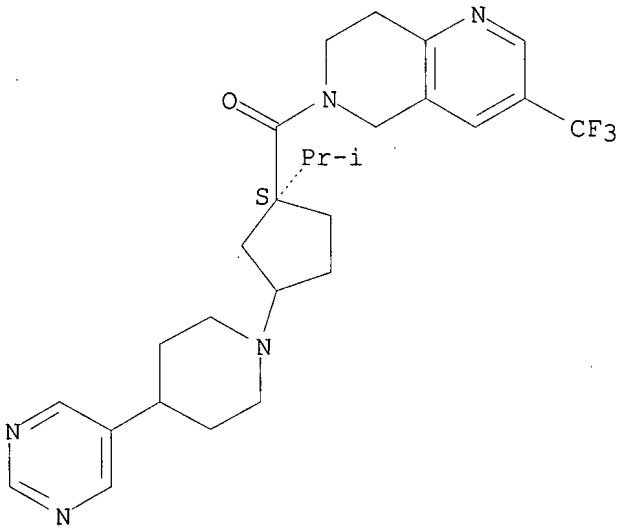
RN 787639-28-5 CAPLUS
CN 3-Pyrrolidineacetic acid, 1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



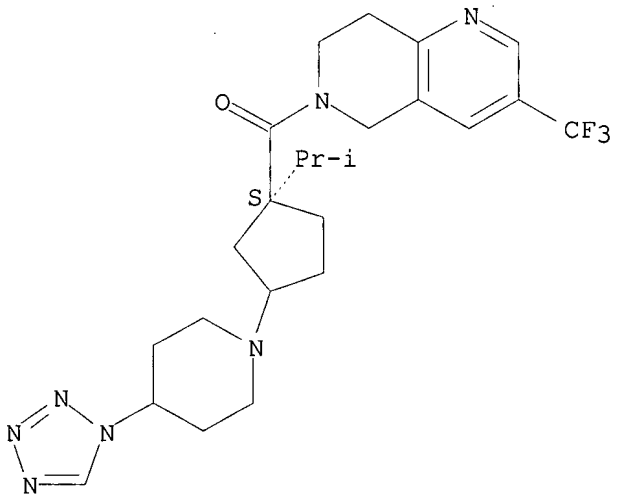
RN 787639-87-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(5-pyrimidinyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



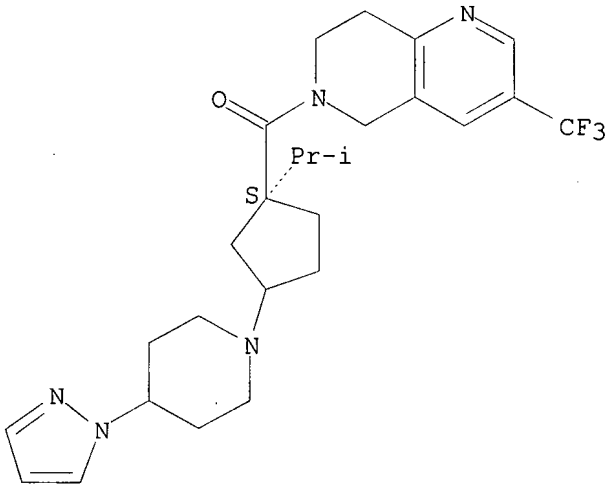
RN 787639-88-7 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-tetrazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



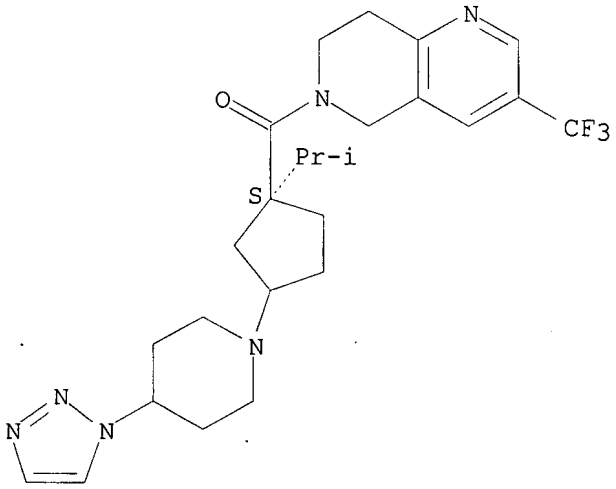
RN 787639-89-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-pyrazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



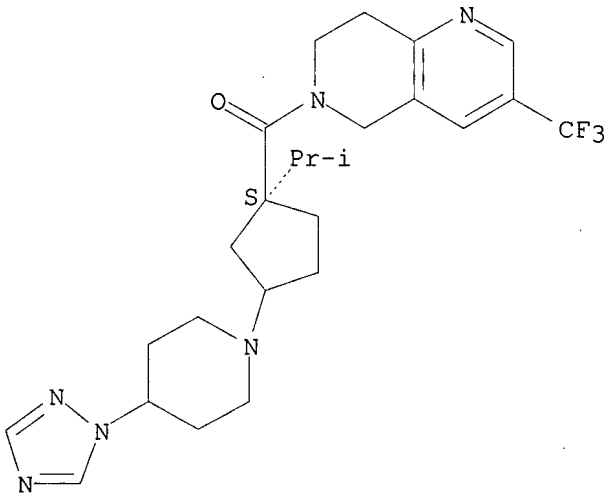
RN 787639-90-1 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-1,2,3-triazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



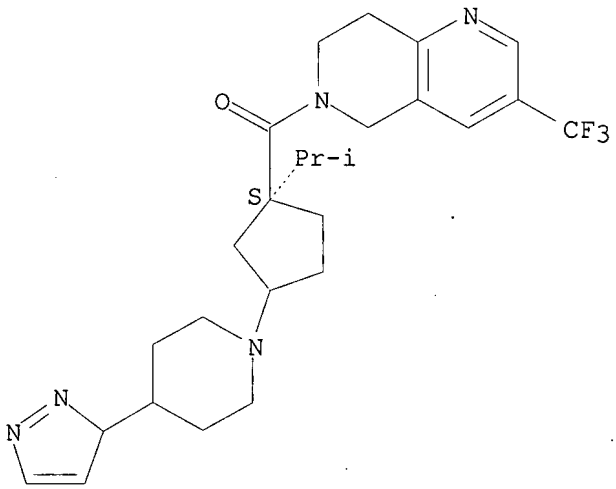
RN 787639-91-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(1H-1,2,4-triazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



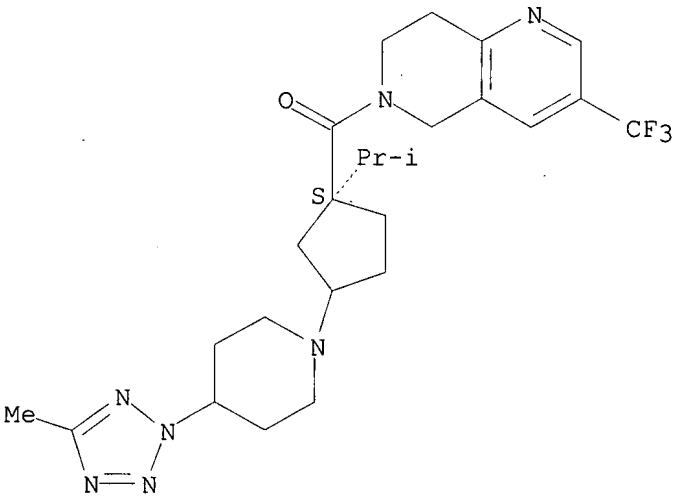
RN 787639-92-3 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(3H-pyrazol-3-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



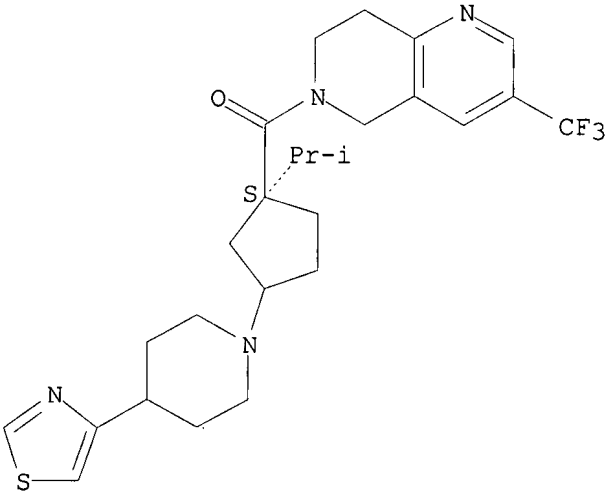
RN 787639-93-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(5-methyl-2H-tetrazol-2-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



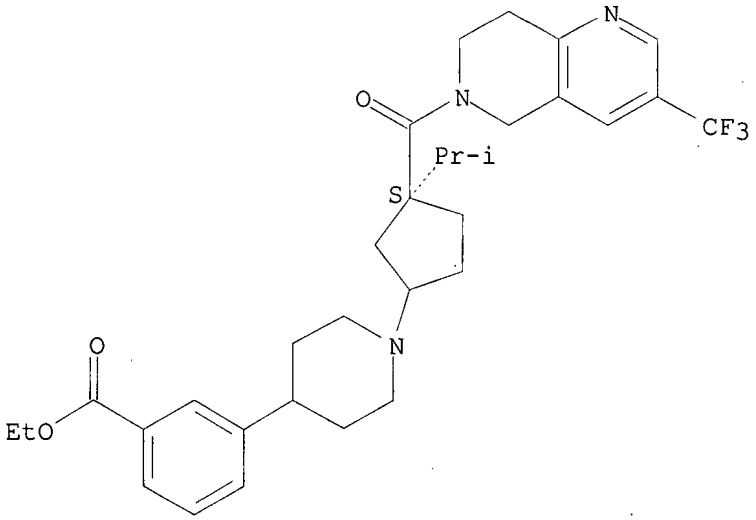
RN 787639-94-5 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[4-(4-thiazolyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



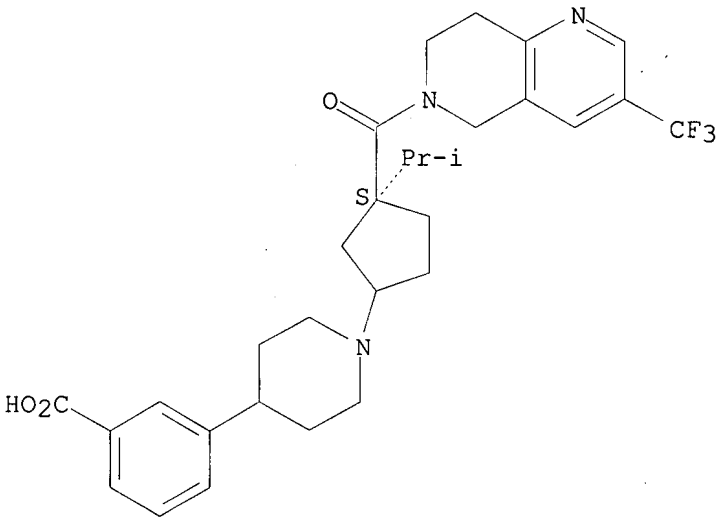
RN 787639-95-6 CAPLUS
CN Benzoic acid, 3-[1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-4-piperidinyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



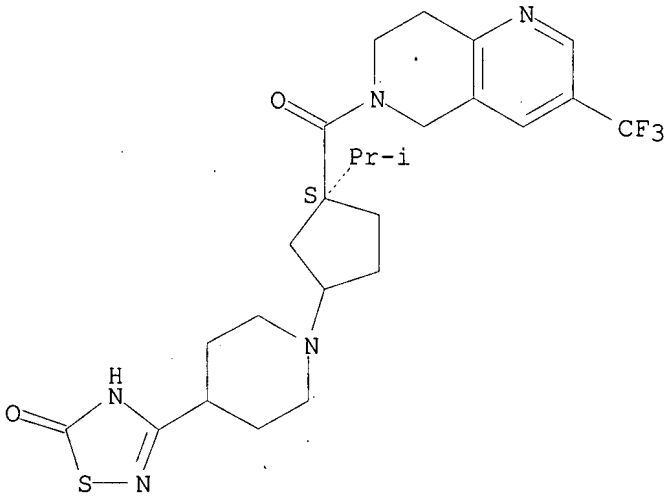
RN 787639-96-7 CAPLUS
CN Benzoic acid, 3-[1-[(3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]-4-piperidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



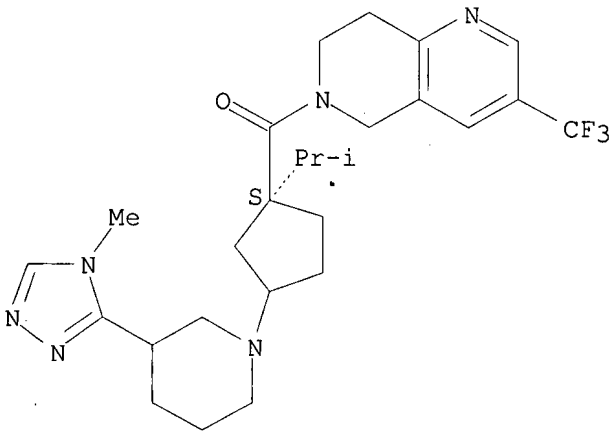
RN 787639-97-8 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S)-3-[4-(2,5-dihydro-5-oxo-1,2,4-thiadiazol-3-yl)-1-piperidinyl]-1-(1-methylethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



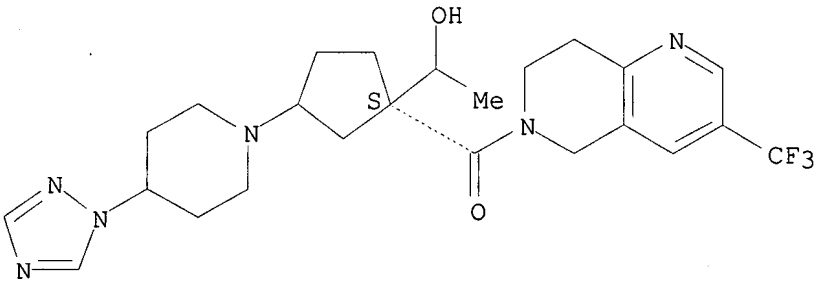
RN 787639-98-9 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[3-(4-methyl-4H-1,2,4-triazol-3-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 787639-99-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-hydroxyethyl)-3-{4-(1H-1,2,4-triazol-1-yl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

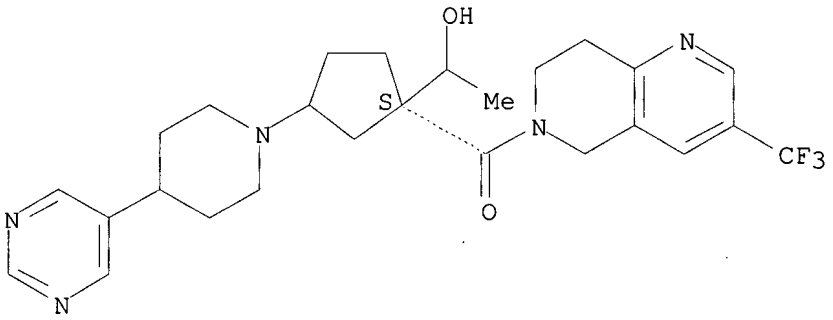
Absolute stereochemistry.



RN 787640-00-0 CAPLUS

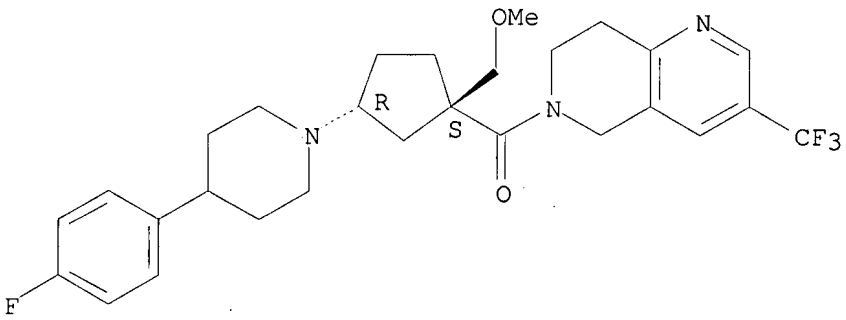
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-hydroxyethyl)-3-[4-(5-pyrimidinyl)-1-piperidinyl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



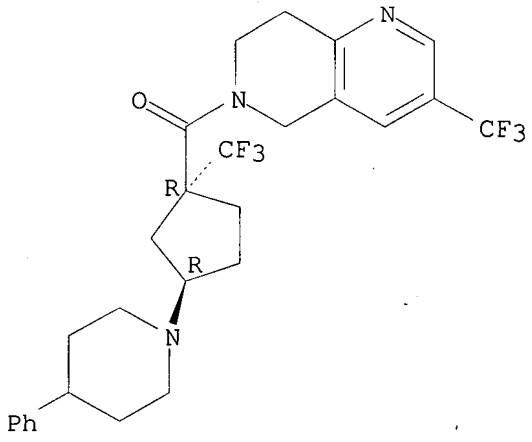
RN 787640-01-1 CAPLUS
CN 1,6-Naphthyridine, 6-[[(1S,3R)-3-[4-(4-fluorophenyl)-1-piperidinyl]-1-(methoxymethyl)cyclopentyl]carbonyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 787640-02-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1R,3R)-3-(4-phenyl-1-piperidinyl)-1-(trifluoromethyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride, rel- (9CI) (CA INDEX NAME)

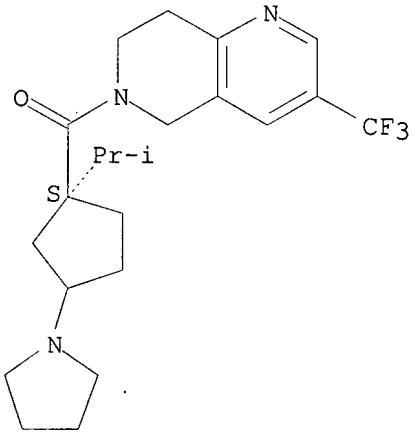
Relative stereochemistry.



● x HCl

RN 787640-54-4 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-(1-pyrrolidinyl)cyclopentyl]carbonyl]-3-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)

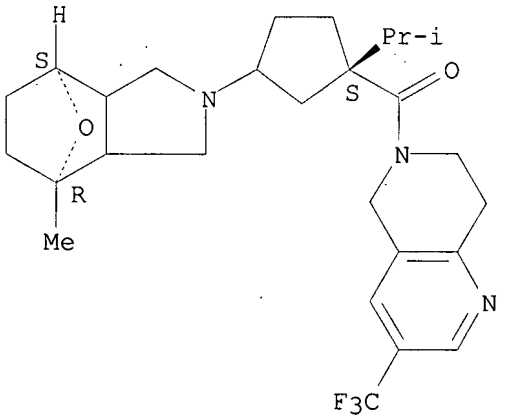
Absolute stereochemistry.



● x HCl

RN 791067-36-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[(1S)-1-(1-methylethyl)-3-[(4R,7S)-octahydro-4-methyl-4,7-epoxy-2H-isoindol-2-yl]cyclopentyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

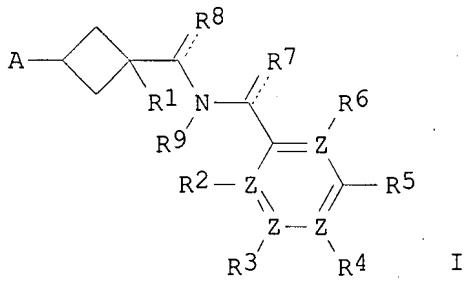
Absolute stereochemistry.



L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:802715 CAPLUS
DOCUMENT NUMBER: 141:314157
TITLE: Preparation of amino cyclobutylamide modulators of chemokine receptor activity
INVENTOR(S): Jiao, Richard; Yang, Lihu
PATENT ASSIGNEE(S): Merck & Co. Inc., USA
SOURCE: PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004082682	A1	20040930	WO 2004-US7792	20040315
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004222336	A1	20040930	AU 2004-222336	20040315
CA 2519220	A1	20040930	CA 2004-2519220	20040315
EP 1617841	A1	20060125	EP 2004-720791	20040315
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1787818	A	20060614	CN 2004-80013143	20040315
JP 2006520783	T	20060914	JP 2006-507176	20040315
IN 2005DN03929	A	20070824	IN 2005-DN3929	20050902
US 2006211722	A1	20060921	US 2005-549739	20050919
PRIORITY APPLN. INFO.:			US 2003-456047P P	20030318
			WO 2004-US7792 A	20040315

OTHER SOURCE(S): MARPAT 141:314157
GI



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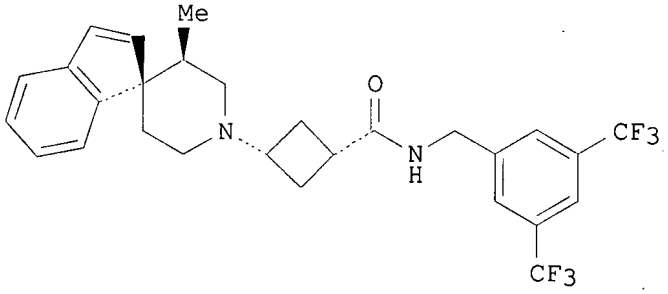


II

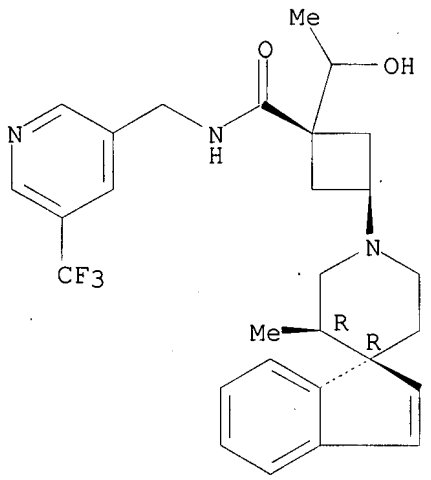
AB Title compds. represented by the formula I [wherein Z = independently C or N; R1 = H, heterocycle, Ph, cyano, etc.; R2-R4, R6 = independently H, (fluoro)alkyl, hydroxy, chloro, etc.; R5 = (fluoro)alkyl, (un)substituted pyridyl, bromo, etc.; R7-R9 = independently H, :O, Ph, (un)substituted alkyl; or R2R9 = heterocycle; A = (un)substituted amino or N-containing cyclic ring; and pharmaceutically acceptable salts and individual diastereomers thereof] were prepared as chemokine receptor modulators (no data). For example, II was given in a multi-step synthesis starting from the reaction of 3,5-bis(trifluoromethyl)benzylamine with 3-oxo-cyclobutanecarboxylic acid. Thus, I and their pharmaceutical compns. are useful as modulators of the chemokine receptor CCR-2 for the treatment of inflammatory and immunoregulatory disorders, and rheumatoid arthritis (no data).

IT 766513-12-6P 766513-14-8P 766513-16-0P
766513-18-2P 766513-20-6P 766513-22-8P
766513-24-0P 766513-57-9P 767332-04-7P
767332-05-8P 767332-06-9P 767332-07-0P
767332-08-1P 767332-09-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (piperidinyl)cyclobutylamide modulators of chemokine receptor activity)

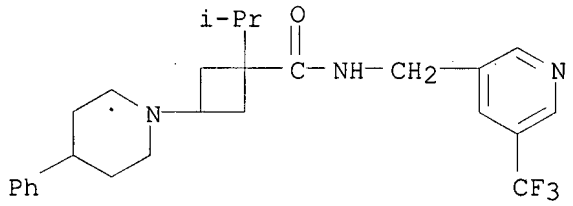
RN 766513-12-6 CAPLUS

CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, cis-rel- (CA INDEX NAME)

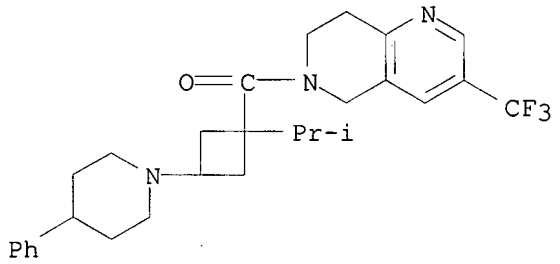
Relative stereochemistry.



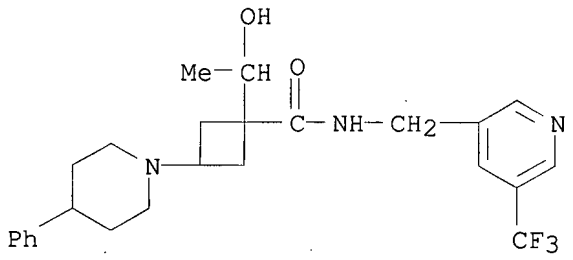
RN 766513-14-8 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-methylethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)



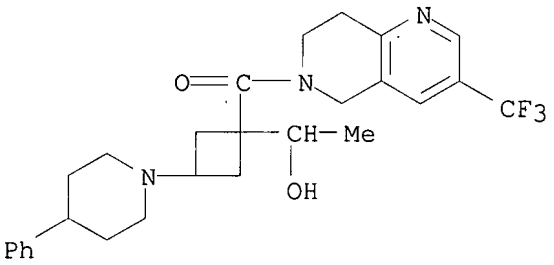
RN 766513-16-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



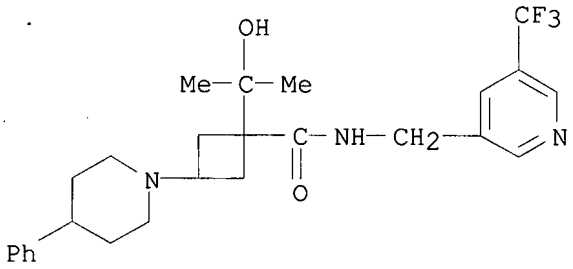
RN 766513-18-2 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)



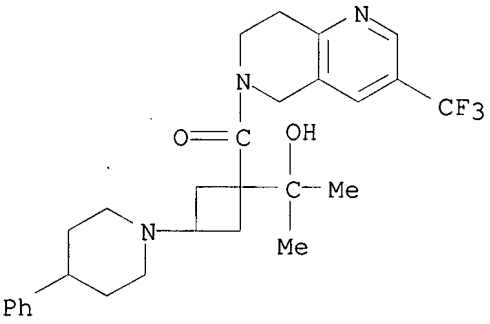
RN 766513-20-6 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxyethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 766513-22-8 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxy-1-methylethyl)-3-(4-phenyl-1-piperidinyl)-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]- (CA INDEX NAME)

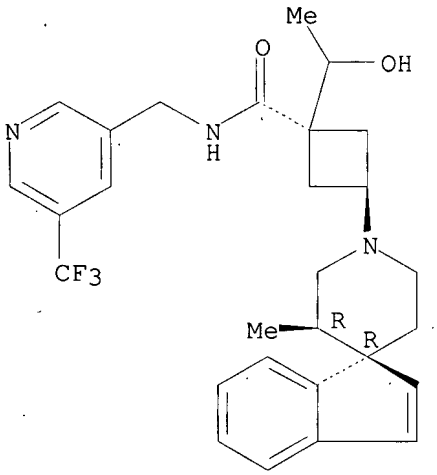


RN 766513-24-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxy-1-methylethyl)-3-(4-phenyl-1-piperidinyl)cyclobutyl]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



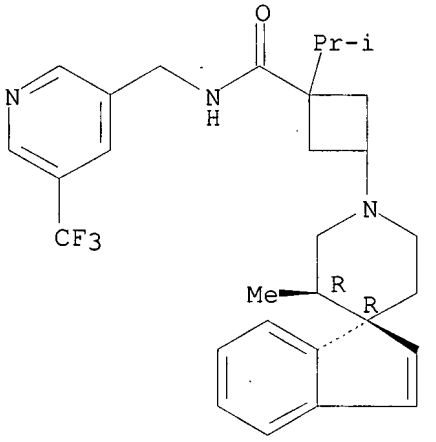
RN 766513-57-9 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, trans-rel- (CA INDEX NAME)

Relative stereochemistry.



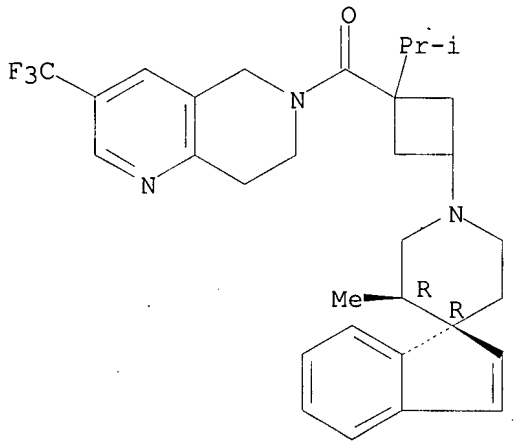
RN 767332-04-7 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



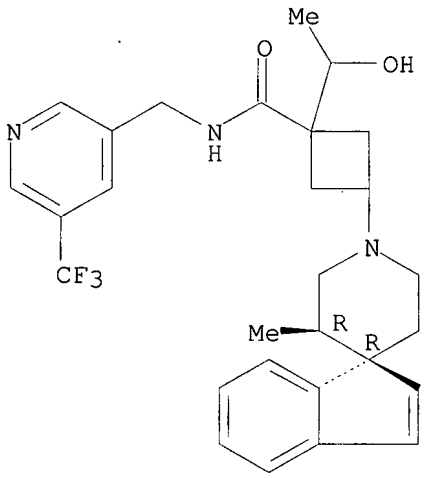
RN 767332-05-8 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



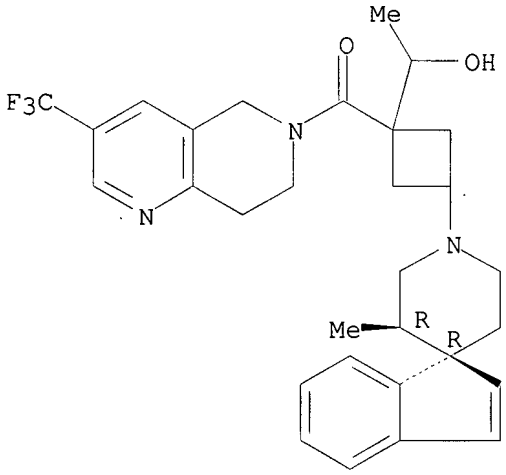
RN 767332-06-9 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



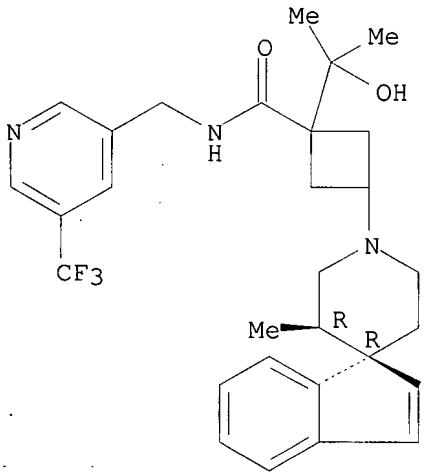
RN 767332-07-0 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxyethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



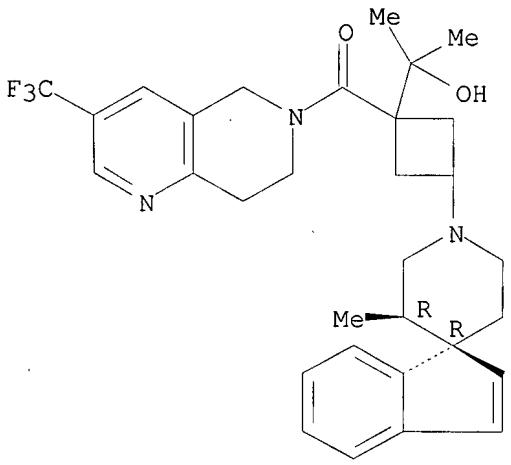
RN 767332-08-1 CAPLUS
CN Cyclobutanecarboxamide, 1-(1-hydroxy-1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-[[5-(trifluoromethyl)-3-pyridinyl]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 767332-09-2 CAPLUS
CN 1,6-Naphthyridine, 5,6,7,8-tetrahydro-6-[[1-(1-hydroxy-1-methylethyl)-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]cyclobutyl]carbonyl]-3-(trifluoromethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:142517 CAPLUS
DOCUMENT NUMBER: 136:200102
TITLE: Preparation of N-cyclopentylpiperidines as modulators of chemokine receptor activity
INVENTOR(S): Yang, Lihu; Butora, Gabor; Parsons, William H.; Pasternak, Alexander
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 274 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013824	A1	20020221	WO 2001-US25335	20010813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2419194	A1	20020221	CA 2001-2419194	20010813
AU 200183345	A	20020225	AU 2001-83345	20010813
EP 1318811	A1	20030618	EP 2001-962140	20010813
EP 1318811	B1	20060830		
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JP 2004506013	T	20040226	JP 2002-518967	20010813
AT 337782	T	20060915	AT 2001-962140	20010813
ES 2271063	T3	20070416	ES 2001-1962140	20010813
US 2002049222	A1	20020425	US 2001-931454	20010816
US 6545023	B2	20030408		

PRIORITY APPLN. INFO.: US 2000-225923P P 20000817
WO 2001-US25335 W 20010813

OTHER SOURCE(S): MARPAT 136:200102
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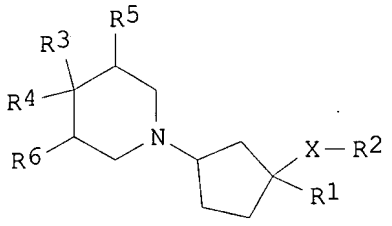
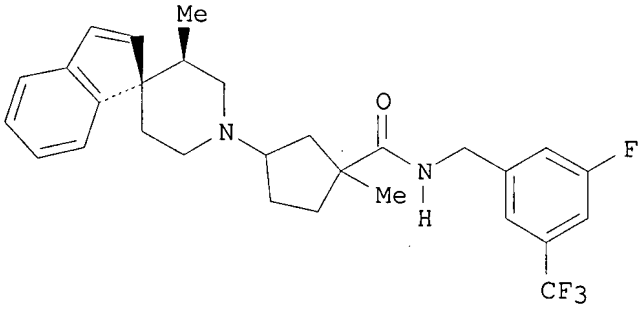


I



II

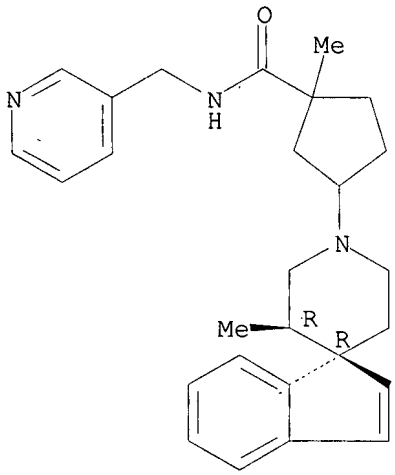
AB The title compds. I (R1 = H, (un)substituted C0-6alkyl-Y-C1-6alkyl and C0-6alkyl-Y-C0-6alkyl-C3-7cycloalkyl-C0-6alkyl wherein Y = bond, O, S, SO, SO2 and alkylamine; R2 = (un)substituted C0-6alkyl-Ph and C0-6alkyl-heterocycle; R3 = (un)substituted C0-6alkyl-phenyl; R4 = H, OH, alkyl, alkylhydroxy, CN, etc. or R3 and R4 may be joined to form a ring selected from 1H-indene, 2,3-dihydro-1H-indene, 1,3-dihydrobenzofuran, 1,3-dihydroisobenzofuran, 2,3-dihydrobenzothiofuran, and 1,3-dihydroisobenzothiofuran or R3 and R5 or R4 and R6 may be joined to form a (un)substituted Ph ring; R5 and R6 may also be independently selected from H, OH, alkyl, halo, etc.; X = NR7, O, CONR7, CH2O, NR7CO, CO2, OCO, CH2(NR7)CO, N(COR7) and CH2N(COR7) where R7 = H, (un)substituted -alkyl, -benzyl, -Ph, and -C1-6alkyl-C3-6cycloalkyl) are prepared and disclosed as modulators of chemokine receptor activity. Thus, II was prepared by ozonolysis of Et 3-methylenecyclopentane carboxylate, substitution with trans-3-methyl-4-(1,1-spiroindenyl)piperidine (preparation given), hydrolysis of intermediate Et spiropiperidinylmethylcyclpentane carboxylate and subsequent amidation by 3-trifluoromethyl-5-fluorobenzylamine. In particular, these compds. are useful as modulators of the chemokine receptor CCR-2 (no data). As chemokine receptor modulators, these compds. may be useful as anti-inflammatory and antirheumatic agents.

IT 400763-83-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation of chemokine receptor modulators N-cyclopentylpiperidines useful as anti-inflammatory and antirheumatic agents)

RN 400763-83-9 CAPLUS

CN Cyclopentanecarboxamide, 1-methyl-3-[(1R,3'R)-3'-methylspiro[1H-indene-1,4'-piperidin]-1'-yl]-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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